The Strait of Georgia Ichthyoplankton Survey, 1981. Ichthyoplankton. Cruises 1, 2, and 3 (February 18-24, March 2-10, and March 16-22).

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Rapport statistique canadien des sciences halieutiques et aquatiques

Ces rapports servent de base à la compilation des données de classement et d'archives pour lesquelles il y a peu ou point d'analyse. Cette compilation aura d'ordinaire été préparée pour appuyer d'autres publications ou rapports. Les sujets des Rapports statistiques reflètent la vaste gamme des intérêts et politiques du Ministère des Pêches et des Océans, notamment gestion des pêches, techniques et développement, sciences océaniques et environnements aquatiques, au Canada.

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THE STRAIT OF GEORGIA ICHTHYOPLANKTON SURVEY, 1981. ICHTHYOPLANKTON. CRUISES 1, 2, AND 3 (FEBRUARY 18-24, MARCH 2-10, AND MARCH 16-22).

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ABSTRACT

Mason, J. C., O. D. Kennedy, and A. C. Phillips. 1982. The Strait of Georgia Ichthyoplankton Survey, 1981. Ichthyoplankton. Cruises 1, 2 and 3 (February 18-24, March 2-10, and March 16-22). Can. Data Rep. Fish. Aquat. Sci. No. 360: iii + 245 p.

This report contains a compilation of corrected catches of juvenile fishes, fish eggs and fish larvae by station, in computer printed format, for the first three out of nine standardized cruises. These cruises were 5-9 days in duration and were conducted on the M/V CALIGUS.

The survey encompassed the entire length of the Strait of Georgia and Malaspina Strait.

Oblique tows were made using 0.25 m^2 Bongos equipped with 351 micron Nitex nets of modified SCOR design. All sampling gear was black to minimize potential avoidance and resulting catch bias. The tow procedure generally followed that established by CALCOFI.

Key words: Ichthyoplankton, Strait of Georgia, Malaspina Strait.

RESUME

Mason, J. C., O. D. Kennedy, and A. C. Phillips. 1982. The Strait of Georgia Ichthyoplankton Survey, 1981. Ichthyoplankton. Cruises 1, 2 and 3 (February 18-24, March 2-10, and March 16-22). Can. Data Rep. Fish. Aquat. Sci. No. 360: iii + 245 p.

Le présent rapport contient une compilation par station sous forme d'un imprimé d'ordinateur, des prises corrigées de poissons juvéniles, d'oeufs et de larves de poisson pour les trois premières de neuf expéditions normalisées du CALIGUS, d'une durée de 5 à 9 jours.

Ce levé porte sur toute de longueur des détroits de Géorgie et de Malaspina.

Des traits obliques ont été effectués à l'aide d'engins de type bongo de 0,25 m^2 munis de filets Nitex de 351 microns de conception CRSO modifiée. Tout l'équipement d'échantillonnage est de couleur noire afin de minimiser l'évitement potentiel qui se traduit par un facteur d'inexactitude pour les prises. La méthode de chalutage suit généralement celle établie pour le programme CALCOFI.

Mots-clés: ichthyoplancton, détroit de Géorgie, détroit de Malaspina.

ORIENTATION AND METHODOLOGY

The Strait of Georgia Ichthyoplankton Survey (1981) was conducted by staff of the Groundfish Program of the Pacific Biological Station, Nanaimo (Fisheries Research Branch). The survey involved 11 cruises of which two were northern cruises covering the Strait of Georgia and Malaspina Strait from north of Ballenas Island to north of Texada Island. The remaining nine cruises covered the entire southern Strait of Georgia in standardized cruises. This present report concerns all oblique tows taken in the first three cruises of the southern Strait of Georgia in 1981.

The 1981 survey was a routine survey to provide distribution patterns of fish eggs and larvae and to give an estimate of total biomass of resident Pacific hake and walleye pollock stocks. A total of 80 stations were occupied every 2 wk (Fig. 1). The stations are listed by grid number, location (latitude and longitude) and depth in Table I.

All tows were made using 0.25 m^2 Bongos equipped with 351 micron Nitex nets of modified SCOR design, and General Oceanics center-mounted flow meters. A 90-kg cylindrical weight was suspended from the yoke of the Bongos. All sampling gear was black to minimize potential avoidance and resulting catch bias.

The tow procedure for oblique tows generally followed that established by CALCOFI: vessel speed of 1 m/s, gear descent at a cable pay-out rate of 50 m/min, and gear ascent at a cable recovery rate of 20 m/min. Tows were made to within 20 m of the sea floor at all stations.

The recovered nets were thoroughly washed down with a high-pressure deck hose and the resulting catches were preserved in 5% buffered seawater formaldehyde for processing ashore. In the laboratory, fish, fish eggs and larvae, euphausiids and other selected invertebrate groups were extracted from one-net catches. The entire catches from the other net were retained in a raw reference collection for future use.

The following data base consists of corrected catches of juvenile fishes, fish eggs and fish larvae, identified to the lowest possible systematic categories considering the present state of knowledge of Canadian Pacific ichthyoplankton.

Sampling station locations.

Grid	Location		Depth (m)
85.35	49° 22.8'N	124° 10.3'W	350
84.31	49° 25.6'N	124° 05.6'W	345
84.28	49° 28.0'N	124° 03.1'W	340
82.36	49° 20.3'N	124° 07.4'W	384
82.33	49° 22.8'N	124° 04.8'W	250
81.30	49° 24.7'N	124° 01.0'W	400
81.27	49° 27.2'N	123° 58.4'W	210
79.36	49° 18.2'N	124° 04.0'W	293
79.34	49° 20.3'N	124° 01.9'W	403
78.32	49° 21.4'N	123° 58.9'W	232
78.29	49° 23.9'N	123° 56.3'W	338
78.25	49° 27.2'N	123° 52.9'W	210
76.34	49° 18.6'N	123° 58.1'W	412
76.27	49° 24.4'N	123° 52.1'W	192
75.30	49° 21.4'N	123° 53.4'W	425
74.36	49° 15.8'N	123° 57.3'W	315
74.33	49° 18.3'N	123° 54.7'W	418
73.24	49° 25.2'N	123° 45.8'W	174
72.30	49° 19.7'N	123° 49.6'W	403
72.27	49° 22.2'N	123° 47.0'W	147
71.36	49° 14.2'N	123° 53.5'W	200
71.33	49° 16.6'N	123° 50.9'W	403
69.29	49° 18.8'N	123° 45.0'W	320
69.26	49° 21.3'N	123° 42.4'W	210
68.35	49° 13.3'N	123° 48.8'W	195
68.32	49° 15.8'N	123° 46.3'W	399
68.23	49° 23.2'N	123° 38.6'W	186
67.27	49° 19.4'N	123° 40.7'W	195
65.33	49° 13.3'N	123° 43.3'W	394
65.30	49° 15.8'N	123° 40.8'W	378
64.25	49° 19.3'N	123° 35.2'W	175
63.28	49° 16.3'N	123° 36.5'W	281
62.35	49° 10.0'N	123° 41.2'W	165
62.31	49° 13.3'N	123° 37.8'W	375
62.22	49° 20.7'N	123° 30.1'W	210
61.25	49° 17.7'N	123° 31.4'W	201
60.28	49° 14.6'N	123° 32.7'W	351
59.31	49° 11.6'N	123° 34.0'W	340
59.23	49° 18.2'N	123° 27.2'W	145
58.35	49° 07.7'N	123° 36.2'W	220
57.26	49° 14.6'N	123° 27.2'W	298
56.29	49° 11.6'N	123° 28.5'W	329
56.23	49° 16.5'N	123° 23.4'W	250
56.20	49° 19.0'N	123° 20.8'W	220
55.38	49° 03.6'N	123° 34.9'W	195
55.32	49° 08.5'N	123° 29.8'W	332
54.26	49° 12.9'N	123° 23.4'W	285
53.35	49° 04.9'N	123° 29.8'W	330
53.29	49° 09.9'N	123° 24.7'W	235

Sampling station locations (cont'd).

Grid	Location		Depth (m)
53.23	49° 14.9'N	123° 19.6'W	175
52.38	49° 01.9'N	123° 31.1'W	240
51.32	49° 06.3'N	123° 24.7'W	265
51.26	49° 11.3'N	123° 19.6'W	192
50.35	49° 03.3'N	123° 26.0'W	310
49.38	49° 00.2'N	123° 27.3'W	240
49.29	49° 07.7'N	123° 19.7'W	143
48.33	49° 03.8'N	123° 21.8'W	230
46.39	48° 57.7'N	123° 24.4'W	230
46.36	49° 00.2'N	123° 21.8'W	250
44.33	49° 01.6'N	123° 16.7'W	130
43.39	48° 55.6'N	123° 21.0'W	195
43.37	48° 57.7'N	123° 18.9'W	200
41.35	48° 58.2'N	123° 14.7'W	155
40.39	48° 54.4'N	123° 16.8'W	192
40.37	48° 56.0'N	123° 15.1'W	160
37.39	48° 52.3'N	123° 13.4'W	210
37.34	48° 56.8'N	123° 08.7'W	112
36.37	48° 53.8'N	123° 10.0'W	135
34.39	48° 50.6'N	123° 09.6'W	210
33.33	48° 55.4'N	123° 02.8'W	127
32.40	48° 49.1'N	123° 07.5'W	146
31.38	48° 49.7'N	123° 05.0'W	200
31.36	48° 51.8'N	123° 02.9'W	175
29.38	48° 48.6'N	123° 02.5'W	183
29.32	48° 54.0'N	122° 56.9'W	120
28.34	48° 51.7'N	122° 58.4'W	215
28.37	48° 49.3'N	122° 59.9'W	240
26.38	48° 47.4'N	122° 58.2'W	210
26.34	48° 50.7'N	122° 54.8'W	192
25.36	48° 48.5'N	122° 55.3'W	210

TABLE:	1	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	1	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.0 C	VOL. FILTERED:	224 M3
POSITION:	49 14.2 N 123 53.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	71 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	200 M	TIME OF TOW:	0800 HR	ALIQUOT:	
		DEPTH OF TOW:	200 M	S.H.F.:	8.92

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	9.	33.3	40.2	80.3
MERLUCCIUS PRODUCTUS	18.	66.7	80.4	160.6
TOTAL	27.	100.0	120.5	240.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	88.9	35.7	71.4
HEXAGRAMMIDAE(FAMILY)	1.	11.1	4.5	8.9
TOTAL	9.	100.0	40.2	80.3

TABLE:	2	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	2	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.2 C	VOL. FILTERED:	316 M3
POSITION:	49 15.8 N 123 57.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	74 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	340 M	TIME OF TOW:	0920 HR	ALIQUOT:	
		DEPTH OF TOW:	280 M	S.H.F.:	8.87

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	80.0	25.3	71.0
MERLUCCIUS PRODUCTUS	2.	20.0	6.3	17.7
TOTAL	10.	100.0	31.6	88.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	22.	100.0	69.6	195.1
TOTAL	22.	100.0	69.6	195.1

TABLE:	3	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	3	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.3 C	VOL. FILTERED:	280 M3
POSITION:	49 18.2 N 124 4.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	79 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	290 M	TIME OF TOW:	1015 HR	ALIQUOT:	
		DEPTH OF TOW:	269 M	S.H.F.:	9.61

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	6.	66.7	21.4	57.7
MERLUCCIUS PRODUCTUS	3.	33.3	10.7	28.8
TOTAL	9.	100.0	32.1	86.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	20.	95.2	71.4	192.2
HEXAGRAMMIDAE(FAMILY)	1.	4.8	3.6	9.6
TOTAL	21.	100.0	75.0	201.8

TABLE:	4	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	4	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.4 C	VOL. FILTERED:	368 M3
POSITION:	49 20.3 N 124 7.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	82 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	390 M	TIME OF TOW:	1055 HR	ALIQUOT:	
		DEPTH OF TOW:	327 M	S.H.F.:	8.88

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	66.7	5.4	17.8
MERLUCCIUS PRODUCTUS	1.	33.3	2.7	8.9
TOTAL	3.	100.0	8.2	26.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	9.	90.0	24.5	79.9
SCORPAENIDAE(FAMILY)	1.	10.0	2.7	8.9
TOTAL	10.	100.0	27.2	88.8

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	50.0	2.7	8.9
MYCTOPHIDAE(FAMILY)	1.	50.0	2.7	8.9
TOTAL	2.	100.0	5.4	17.8

TABLE:	5	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	5	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.9 C	VOL. FILTERED:	295 M3
POSITION:	49 22.8 N 124 10.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	85 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	348 M	TIME OF TOW:	1140 HR	ALIQUOT:	
		DEPTH OF TOW:	287 M	S.H.F.:	9.73

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	100.0	27.1	77.8
TOTAL	8.	100.0	27.1	77.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	12.	100.0	40.7	116.8
TOTAL	12.	100.0	40.7	116.8

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LYCODAPUS MANDIBULARIS	1.	100.0	3.4	9.7
TOTAL	1.	100.0	3.4	9.7

TABLE:	6	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	6	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 2/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.3 C	VOL. FILTERED:	261 M3
POSITION:	49 25.6 N 124 5.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	84 . 31	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	338 M	TIME OF TOW:	1230 HR	ALIQUOT:	
		DEPTH OF TOW:	333 M	S.H.F.:	12.76

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	10.	100.0	38.3	127.6
TOTAL	10.	100.0	38.3	127.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	100.0	11.5	38.3
TOTAL	3.	100.0	11.5	38.3

TABLE:	7	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	7 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	7	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 2/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.2 C	VOL. FILTERED:	249 M3
POSITION:	49 28.0 N 124 3.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	84 . 28	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	337 M	TIME OF TOW:	1325 HR	ALIQUOT:	
		DEPTH OF TOW:	306 M	S.H.F.:	12.29

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	22.	95.7	88.4	270.4
MERLUCCIUS PRODUCTUS	1.	4.3	4.0	12.3
TOTAL	23.	100.0	92.4	282.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	6.	100.0	24.1	73.7
TOTAL	6.	100.0	24.1	73.7

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	33.3	4.0	12.3
GILBERTIDIA SIGALUTES	1.	33.3	4.0	12.3
NECTOLIPARIS PELAGICUS	1.	33.3	4.0	12.3
TOTAL	3.	100.0	12.0	36.9

TABLE:	8	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	8	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.3 C	VOL. FILTERED:	156 M3
POSITION:	49 27.2 N 123 58.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	81 . 27	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	190 M	TIME OF TOW:	1410 HR	ALIQUOT:	
		DEPTH OF TOW:	169 M	S.H.F.:	10.82

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	7.	87.5	44.9	75.7
MERLUCCIUS PRODUCTUS	1.	12.5	6.4	10.8
TOTAL	8.	100.0	51.3	86.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	6.	100.0	38.5	64.9
TOTAL	6.	100.0	38.5	64.9

TABLE:	9	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	9	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.0 C	VOL. FILTERED:	342 M3
POSITION:	49 24.7 N 124 1.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	81 . 30	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	400 M	TIME OF TOW:	1450 HR	ALIQUOT:	
		DEPTH OF TOW:	391 M	S.H.F.:	11.42

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	40.	100.0	117.0	456.8
TOTAL	40.	100.0	117.0	456.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	17.	89.5	49.7	194.1
HEXAGRAMMIDAE(FAMILY)	1.	5.3	2.9	11.4
HEMILEPIDOTUS HEMILEPIDOTUS	1.	5.3	2.9	11.4
TOTAL	19.	100.0	55.6	217.0

TABLE:	10	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	10	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:		VOL. FILTERED:	195 M3
POSITION:	49 22.8 N 124 4.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	82 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	250 M	TIME OF TOW:	1555 HR	ALIQUOT:	
		DEPTH OF TOW:	238 M	S.H.F.:	12.22

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	14.	93.3	71.8	171.1
MERLUCCIUS PRODUCTUS	1.	6.7	5.1	12.2
TOTAL	15.	100.0	76.9	183.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	9.	90.0	46.2	110.0
AMMODYTES HEXAPTERUS	1.	10.0	5.1	12.2
TOTAL	10.	100.0	51.3	122.2

TABLE:	11	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	11	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.5 C	VOL. FILTERED:	336 M3
POSITION:	49 20.3 N 124 1.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	79 . 34	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	405 M	TIME OF TOW:	1640 HR	ALIQUOT:	
		DEPTH OF TOW:	385 M	S.H.F.:	11.45

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	6.	100.0	17.9	68.7
TOTAL	6.	100.0	17.9	68.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	5.	100.0	14.9	57.3
TOTAL	5.	100.0	14.9	57.3

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	75.0	8.9	34.3
LYCODAPUS MANDIBULARIS	1.	25.0	3.0	11.4
TOTAL	4.	100.0	11.9	45.8

TABLE:	12	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	12	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.3 C	VOL. FILTERED:	375 M3
POSITION:	49 18.3 N 123 54.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	74 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	415 M	TIME OF TOW:	0850 HR	ALIQUOT:	
		DEPTH OF TOW:	401 M	S.H.F.:	10.70

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	17.	94.4	45.3	181.9
MERLUCCIUS PRODUCTUS	1.	5.6	2.7	10.7
TOTAL	18.	100.0	48.0	192.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	16.	100.0	42.7	171.2
TOTAL	16.	100.0	42.7	171.2

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	50.0	2.7	10.7
LYCODAPUS MANDIBULARIS	1.	50.0	2.7	10.7
TOTAL	2.	100.0	5.3	21.4

TABLE:	13	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	13	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.8 C	VOL. FILTERED:	406 M3
POSITION:	49 18.6 N 123 58.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	76 . 34	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	410 M	TIME OF TOW:	0945 HR	ALIQUOT:	
		DEPTH OF TOW:	393 M	S.H.F.:	9.68

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	100.0	19.7	77.4
TOTAL	8.	100.0	19.7	77.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	18.	100.0	44.3	174.2
TOTAL	18.	100.0	44.3	174.2

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	5.	83.3	12.3	48.4
NECTOLIPARIS PELAGICUS	1.	16.7	2.5	9.7
TOTAL	6.	100.0	14.8	58.1

TABLE:	14	WIND DIRECTION:	290 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	14	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.4 C	VOL. FILTERED:	278 M3
POSITION:	49 21.4 N 123 58.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	78 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	285 M	TIME OF TOW:	1100 HR	ALIQUOT:	
		DEPTH OF TOW:	251 M	S.H.F.:	9.04

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	53.	100.0	190.6	479.1
TOTAL	53.	100.0	190.6	479.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	15.	100.0	54.0	135.6
TOTAL	15.	100.0	54.0	135.6

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.6	9.0
TOTAL	1.	100.0	3.6	9.0

TABLE:	15	WIND DIRECTION:	270 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	15	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.4 C	VOL. FILTERED:	332 M3
POSITION:	49 21.4 N 123 53.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	75 . 30	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	380 M	TIME OF TOW:	1150 HR	ALIQUOT:	
		DEPTH OF TOW:	352 M	S.H.F.:	10.60

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	56.	98.2	168.7	593.6
MERLUCCIUS PRODUCTUS	1.	1.8	3.0	10.6
TOTAL	57.	100.0	171.7	604.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	11.	91.7	33.1	116.6
SCORPAENIDAE(FAMILY)	1.	8.3	3.0	10.6
TOTAL	12.	100.0	36.1	127.2

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	100.0	9.0	31.8
TOTAL	3.	100.0	9.0	31.8

TABLE:	16	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	16	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.1 C	VOL. FILTERED:	335 M3
POSITION:	49 23.9 N 123 56.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	78 . 29	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	332 M	TIME OF TOW:	1245 HR	ALIQUOT:	
		DEPTH OF TOW:	311 M	S.H.F.:	9.29

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	73.	92.4	217.9	678.2
MERLUCCIUS PRODUCTUS	6.	7.6	17.9	55.7
TOTAL	79.	100.0	235.8	733.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	22.	95.7	65.7	204.4
AMMODYTES HEXAPTERUS	1.	4.3	3.0	9.3
TOTAL	23.	100.0	68.7	213.7

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.0	9.3
TOTAL	1.	100.0	3.0	9.3

TABLE:	17	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	17	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 2/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.8 C	VOL. FILTERED:	202 M3
POSITION:	49 24.4 N 123 52.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	76 . 27	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	190 M	TIME OF TOW:	1340 HR	ALIQUOT:	
		DEPTH OF TOW:	164 M	S.H.F.:	8.11

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	27.	96.4	133.7	219.0
MERLUCCIUS PRODUCTUS	1.	3.6	5.0	8.1
TOTAL	28.	100.0	138.6	227.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	6.	75.0	29.7	48.7
AMMODYTES HEXAPTERUS	1.	12.5	5.0	8.1
SCORPAENIDAE(FAMILY)	1.	12.5	5.0	8.1
TOTAL	8.	100.0	39.6	64.9

TABLE:	18	WIND DIRECTION:	290 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	18	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.7 C	VOL. FILTERED:	174 M3
POSITION:	49 27.2 N 123 52.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	78 . 25	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	195 M	TIME OF TOW:	1415 HR	ALIQUOT:	
		DEPTH OF TOW:	183 M	S.H.F.:	10.54

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	9.	100.0	51.7	94.9
TOTAL	9.	100.0	51.7	94.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	100.0	11.5	21.1
TOTAL	2.	100.0	11.5	21.1

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
NECTOLIPARIS PELAGICUS	1.	100.0	5.7	10.5
TOTAL	1.	100.0	5.7	10.5

TABLE:	19	WIND DIRECTION:	270 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	19	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.6 C	VOL. FILTERED:	150 M3
POSITION:	49 25.2 N 123 45.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	73 . 24	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	172 M	TIME OF TOW:	1510 HR	ALIQUOT:	
		DEPTH OF TOW:	164 M	S.H.F.:	10.90

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	4.	100.0	26.7	43.6
TOTAL	4.	100.0	26.7	43.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	50.0	6.7	10.9
SCORPAENIDAE(FAMILY)	1.	50.0	6.7	10.9
TOTAL	2.	100.0	13.3	21.8

TABLE:	20	WIND DIRECTION:	270 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	20	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.7 C	VOL. FILTERED:	188 M3
POSITION:	49 22.2 N 123 47.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	72 . 27	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	211 M	TIME OF TOW:	1605 HR	ALIQUOT:	
		DEPTH OF TOW:	185 M	S.H.F.:	9.82

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	14.	82.4	74.5	137.5
MERLUCCIUS PRODUCTUS	3.	17.6	16.0	29.5
TOTAL	17.	100.0	90.4	166.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	7.	87.5	37.2	68.7
SCORPAENIDAE(FAMILY)	1.	12.5	5.3	9.8
TOTAL	8.	100.0	42.6	78.6

TABLE:	21	WIND DIRECTION:	45 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	21	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 2/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.6 C	VOL. FILTERED:	355 M3
POSITION:	49 19.7 N 123 49.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	72 . 30	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	410 M	TIME OF TOW:	1655 HR	ALIQUOT:	
		DEPTH OF TOW:	387 M	S.H.F.:	10.89

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	49.	98.0	138.0	533.6
MERLUCCIUS PRODUCTUS	1.	2.0	2.8	10.9
TOTAL	50.	100.0	140.8	544.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	14.	100.0	39.4	152.5
TOTAL	14.	100.0	39.4	152.5

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	2.8	10.9
TOTAL	1.	100.0	2.8	10.9

TABLE:	22	WIND DIRECTION:	45 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	22	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 2/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.7 C	VOL. FILTERED:	355 M3
POSITION:	49 16.6 N 123 50.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	71 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	406 M	TIME OF TOW:	1750 HR	ALIQUOT:	
		DEPTH OF TOW:	332 M	S.H.F.:	9.36

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	3.	42.9	8.5	28.1
LEUROGLOSSUS STILBIUS	4.	57.1	11.3	37.4
TOTAL	7.	100.0	19.7	65.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	6.	100.0	16.9	56.2
TOTAL	6.	100.0	16.9	56.2

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	4.	100.0	11.3	37.4
TOTAL	4.	100.0	11.3	37.4

TABLE:	23	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	23	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	6.8 C	VOL. FILTERED:	165 M3
POSITION:	49 13.3 N 123 48.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	68 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	194 M	TIME OF TOW:	0820 HR	ALIQUOT:	
		DEPTH OF TOW:	168 M	S.H.F.:	10.18

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	12.5	18.2	30.5
MERLUCCIUS PRODUCTUS	21.	87.5	127.3	213.8
TOTAL	24.	100.0	145.5	244.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	88.9	48.5	81.4
SCORPAENIDAE(FAMILY)	1.	11.1	6.1	10.2
TOTAL	9.	100.0	54.5	91.6

TABLE:	24	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	24	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.9 C	VOL. FILTERED:	290 M3
POSITION:	49 13.3 N 123 43.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	65 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	395 M	TIME OF TOW:	0855 HR	ALIQUOT:	
		DEPTH OF TOW:	349 M	S.H.F.:	12.05

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
LEUROGLOSSUS STILBIUS	1.	3.1	3.4	12.1
MERLUCCIUS PRODUCTUS	21.	65.6	72.4	253.1
THERAGRA CHALCOGRAMMA	8.	25.0	27.6	96.4
MICROSTOMUS PACIFICUS	1.	3.1	3.4	12.1
	1.	3.1	3.4	12.1
TOTAL	32.	100.0	110.3	385.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	52.	96.3	179.3	626.6
MERLUCCIUS PRODUCTUS	1.	1.9	3.4	12.1
SCORPAENIDAE(FAMILY)	1.	1.9	3.4	12.1
TOTAL	54.	100.0	186.2	650.7

TABLE:	25	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	25	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.8 C	VOL. FILTERED:	115 M3
POSITION:	49 15.8 N 123 46.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	68 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	400 M	TIME OF TOW:	0950 HR	ALIQUOT:	
		DEPTH OF TOW:	366 M	S.H.F.:	31.94

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	6.	54.5	52.2	191.6
MERLUCCIUS PRODUCTUS	5.	45.5	43.5	159.7
TOTAL	11.	100.0	95.7	351.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	5.	83.3	43.5	159.7
MERLUCCIUS PRODUCTUS	1.	16.7	8.7	31.9
TOTAL	6.	100.0	52.2	191.6

TABLE:	26	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	26	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.1 C	VOL. FILTERED:	338 M3
POSITION:	49 15.8 N 123 40.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	65 . 30	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	375 M	TIME OF TOW:	1030 HR	ALIQUOT:	
		DEPTH OF TOW:	352 M	S.H.F.:	10.41

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	47.	36.4	139.1	489.3
MERLUCCIUS PRODUCTUS	77.	59.7	227.8	801.6
THERAGRA CHALCOGRAMMA	5.	3.9	14.8	52.0
TOTAL	129.	100.0	381.7	1342.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	27.	96.4	79.9	281.1
MERLUCCIUS PRODUCTUS	1.	3.6	3.0	10.4
TOTAL	28.	100.0	82.8	291.5

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.0	10.4
TOTAL	1.	100.0	3.0	10.4

TABLE:	27	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	27	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.1 C	VOL. FILTERED:	326 M3
POSITION:	49 13.3 N 123 37.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	62 . 31	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	372 M	TIME OF TOW:	1110 HR	ALIQUOT:	
		DEPTH OF TOW:	332 M	S.H.F.:	10.18

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	30.	41.1	92.0	305.4
MERLUCCIUS PRODUCTUS	40.	54.8	122.7	407.2
THERAGRA CHALCOGRAMMA	3.	4.1	9.2	30.5
TOTAL	73.	100.0	223.9	743.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	21.	95.5	64.4	213.8
SCORPAENIDAE(FAMILY)	1.	4.5	3.1	10.2
TOTAL	22.	100.0	67.5	224.0

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.1	10.2
TOTAL	1.	100.0	3.1	10.2

TABLE:	28	WIND DIRECTION.	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	28	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.1 C	VOL. FILTERED:	189 M3
POSITION:	49 16.3 N 123 36.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	63 . 28	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	202 M	TIME OF TOW:	1210 HR	ALIQUOT:	
		DEPTH OF TOW:	172 M	S.H.F.:	9.09

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	22.	6.9	116.4	200.0
MERLUCCIUS PRODUCTUS	291.	91.8	1539.7	2645.2
MICROGADUS PROXIMUS	2.	0.6	10.6	18.2
THERAGRA CHALCOGRAMMA	2.	0.6	10.6	18.2
TOTAL	317.	100.0	1677.2	2881.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	7.	100.0	37.0	63.6
TOTAL	7.	100.0	37.0	63.6

TABLE:	29	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	29	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.1 C	VOL. FILTERED:	172 M3
POSITION:	49 17.7 N 123 31.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	61 . 25	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	194 M	TIME OF TOW:	1308 HR	ALIQUOT:	
		DEPTH OF TOW:	177 M	S.H.F.:	10.31

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	12.	60.0	69.8	123.7
MERLUCCIUS PRODUCTUS	2.	10.0	11.6	20.6
MICROGADUS PROXIMUS	6.	30.0	34.9	61.9
TOTAL	20.	100.0	116.3	206.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	5.	100.0	29.1	51.6
TOTAL	5.	100.0	29.1	51.6

TABLE:	30	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	30	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:		VOL. FILTERED:	186 M3
POSITION:	49 19.4 N 123 35.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	64 . 25	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	199 M	TIME OF TOW:	1342 HR	ALIQUOT:	
		DEPTH OF TOW:	184 M	S.H.F.:	9.90

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	21.	53.8	112.9	207.9
MERLUCCIUS PRODUCTUS	16.	41.0	86.0	158.4
MICROGADUS PROXIMUS	2.	5.1	10.8	19.8
TOTAL	39.	100.0	209.7	386.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	66.7	10.8	19.8
HEXAGRAMMIDAE(FAMILY)	1.	33.3	5.4	9.9
TOTAL	3.	100.0	16.1	29.7

TABLE:	31	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	31	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.1 C	VOL. FILTERED:	83 M3
POSITION:	49 19.4 N 123 40.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	67 . 27	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	85 M	TIME OF TOW:	1430 HR	ALIQUOT:	
		DEPTH OF TOW:	79 M	S.H.F.:	9.49

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	10.	83.3	120.5	94.9
AMMODYTES HEXAPTERUS	2.	16.7	24.1	19.0
TOTAL	12.	100.0	144.6	113.9

TABLE:	32	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	17 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	32	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 2/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.9 C	VOL. FILTERED:	269 M3
POSITION:	49 18.8 N 123 45.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	69 . 29	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	327 M	TIME OF TOW:	1457 HR	ALIQUOT:	
		DEPTH OF TOW:	307 M	S.H.F.:	11.43

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	36.	72.0	133.8	411.5
MERLUCCIUS PRODUCTUS	11.	22.0	40.9	125.7
THERAGRA CHALCOGRAMMA	3.	6.0	11.2	34.3
TOTAL	50.	100.0	185.9	571.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	11.	91.7	40.9	125.7
SCORPAENIDAE(FAMILY)	1.	8.3	3.7	11.4
TOTAL	12.	100.0	44.6	137.2

TABLE:	33	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	10 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	33	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 2/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.1 C	VOL. FILTERED:	156 M3
POSITION:	49 21.3 N 123 42.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	69 . 26	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	197 M	TIME OF TOW:	1600 HR	ALIQUOT:	
		DEPTH OF TOW:	190 M	S.H.F.:	12.20

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	18.	41.9	115.4	219.6
MERLUCCIUS PRODUCTUS	25.	58.1	160.3	305.0
TOTAL	43.	100.0	275.6	524.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	66.7	12.8	24.4
SCORPAENIDAE(FAMILY)	1.	33.3	6.4	12.2
TOTAL	3.	100.0	19.2	36.6

TABLE:	34	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	10 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	34	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.1 C	VOL. FILTERED:	146 M3
POSITION:	49 23.2 N 123 38.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	68 . 23	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	173 M	TIME OF TOW:	1625 HR	ALIQUOT:	
		DEPTH OF TOW:	160 M	S.H.F.:	10.99

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	10.	76.9	68.5	109.9
MERLUCCIUS PRODUCTUS	3.	23.1	20.5	33.0
TOTAL	13.	100.0	89.0	142.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	6.8	11.0
TOTAL	1.	100.0	6.8	11.0

TABLE:	35
CRUISE:	SG 81- 1
SAMPLE NO.:	35
DATE:	21/ 2/81
VESSEL:	CALIGUS
POSITION:	49 20.7 N 123 30.1 W
GRID POSITION:	62 . 22
BOTTOM DEPTH:	197 M

WIND DIRECTION:	135 DEG
WIND VELOCITY:	3 MPS
WAVE HEIGHT:	
SWELL HEIGHT:	0 M
SURFACE TEMP:	6.7 C
STD NUMBER:	
BT/XBT NUMBER:	
TIME OF TOW:	0855 HR
DEPTH OF TOW:	173 M

TOW SPEED:	1 MPS
TYPE OF TOW:	OBLIQUE
GEAR TYPE:	BONGO .25 M2
MESH SIZE:	.351 MM
VOL. FILTERED:	191 M3
DISP. VOLUME:	
PLANKTON CONC.:	
ALIQUOT:	
S.H.F.:	9.04

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	5.	17.2	26.2	45.2
LEUROGLOSSUS STILBIUS	9.	31.0	47.1	81.4
MERLUCCIUS PRODUCTUS	3.	10.3	15.7	27.1
MICROGADUS PROXIMUS	12.	41.4	62.8	108.5
TOTAL	29.	100.0	151.8	262.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	60.0	15.7	27.1
SCORPAENIDAE(FAMILY)	2.	40.0	10.5	18.1
TOTAL	5.	100.0	26.2	45.2

TABLE:	36	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	36	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	6.8 C	VOL. FILTERED:	139 M3
POSITION:	49 18.2 N 123 27.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	59 . 23	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	141 M	TIME OF TOW:	0930 HR	ALIQUOT:	
		DEPTH OF TOW:	127 M	S.H.F.:	9.15

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	5.7	14.4	18.3
MERLUCCIUS PRODUCTUS	16.	45.7	115.1	146.4
MICROGADUS PROXIMUS	14.	40.0	100.7	128.1
THERAGRA CHALCOGRAMMA	3.	8.6	21.6	27.4
TOTAL	35.	100.0	251.8	320.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	7.	77.8	50.4	64.0
AMMODYTES HEXAPTERUS	2.	22.2	14.4	18.3
TOTAL	9.	100.0	64.7	82.3

TABLE:	37	WIND DIRECTION:	112 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	37	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:		VOL. FILTERED:	195 M3
POSITION:	49 19.0 N 123 20.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	56 . 20	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	206 M	TIME OF TOW:	1030 HR	ALIQUOT:	
		DEPTH OF TOW:	180 M	S.H.F.:	9.24

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	2.6	5.1	9.2
LEUROGLOSSUS STILBIUS	13.	33.3	66.7	120.1
MERLUCCIUS PRODUCTUS	12.	30.8	61.5	110.9
MICROGADUS PROXIMUS	13.	33.3	66.7	120.1
TOTAL	39.	100.0	200.0	360.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	88.9	41.0	73.9
AMMODYTES HEXAPTERUS	1.	11.1	5.1	9.2
TOTAL	9.	100.0	46.2	83.2

TABLE:	38	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	38	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.1 C	VOL. FILTERED:	213 M3
POSITION:	49 16.5 N 123 23.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	56 . 23	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	252 M	TIME OF TOW:	1105 HR	ALIQUOT:	
		DEPTH OF TOW:	232 M	S.H.F.:	10.90

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	28.	32.9	131.5	305.2
MERLUCCIUS PRODUCTUS	32.	37.6	150.2	348.8
MICROGADUS PROXIMUS	22.	25.9	103.3	239.8
THERAGRA CHALCOGRAMMA	3.	3.5	14.1	32.7
TOTAL	85.	100.0	399.1	926.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	14.	93.3	65.7	152.6
AMMODYTES HEXAPTERUS	1.	6.7	4.7	10.9
TOTAL	15.	100.0	70.4	163.5

TABLE: 39
CRUISE: SG 81- 1
SAMPLE NO.: 39
DATE: 21/ 2/81
VESSEL: CALIGUS
POSITION: 49 14.9 N 123 19.6 W
GRID POSITION: 53 . 23
BOTTOM DEPTH: 189 M

WIND DIRECTION: 135 DEG
WIND VELOCITY: 2 MPS
WAVE HEIGHT:
SWELL HEIGHT: 0 M
SURFACE TEMP: 7.2 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 1150 HR
DEPTH OF TOW: 162 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 210 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 7.72

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	29.	28.7	138.1	223.9
MERLUCCIUS PRODUCTUS	55.	54.5	261.9	424.6
MICROGADUS PROXIMUS	8.	7.9	38.1	61.8
THERAGRA CHALCOGRAMMA	9.	8.9	42.9	69.5
TOTAL	101.	100.0	481.0	779.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	10.	45.5	47.6	77.2
MICROGADUS PROXIMUS	1.	4.5	4.8	7.7
AMMODYTES HEXAPTERUS	9.	40.9	42.9	69.5
SCORPAENIDAE(FAMILY)	1.	4.5	4.8	7.7
COTTIDAE(FAMILY)	1.	4.5	4.8	7.7
TOTAL	22.	100.0	104.8	169.8

TABLE:	40	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	40	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.2 C	VOL. FILTERED:	146 M3
POSITION:	49 11.3 N 123 19.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	51 . 26	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	149 M	TIME OF TOW:	1240 HR	ALIQUOT:	
		DEPTH OF TOW:	132 M	S.H.F.:	9.06

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	19.5	54.8	72.5
MERLUCCIUS PRODUCTUS	25.	61.0	171.2	226.5
MICROGADUS PROXIMUS	1.	2.4	6.8	9.1
THERAGRA CHALCOGRAMMA	7.	17.1	47.9	63.4
TOTAL	41.	100.0	280.8	371.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	16.	94.1	109.6	145.0
SCORPAENIDAE(FAMILY)	1.	5.9	6.8	9.1
TOTAL	17.	100.0	116.4	154.0

TABLE:	41	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	41	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.1 C	VOL. FILTERED:	226 M3
POSITION:	49 12.9 N 123 23.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	54 . 26	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	282 M	TIME OF TOW:	1340 HR	ALIQUOT:	
		DEPTH OF TOW:	274 M	S.H.F.:	12.13

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	37.	53.6	163.7	448.8
MERLUCCIUS PRODUCTUS	14.	20.3	61.9	169.8
THERAGRA CHALCOGRAMMA	18.	26.1	79.6	218.3
TOTAL	69.	100.0	305.3	837.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	20.	90.9	88.5	242.6
MERLUCCIUS PRODUCTUS	1.	4.5	4.4	12.1
STICHAEIDAE(FAMILY)	1.	4.5	4.4	12.1
TOTAL	22.	100.0	97.3	266.9

TABLE:	42	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	42	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.2 C	VOL. FILTERED:	231 M3
POSITION:	49 14.6 N 123 27.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	57 . 26	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	287 M	TIME OF TOW:	1425 HR	ALIQUOT:	
		DEPTH OF TOW:	258 M	S.H.F.:	11.18

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	34.	47.2	147.2	380.1
MERLUCCIUS PRODUCTUS	26.	36.1	112.6	290.7
MICROGADUS PROXIMUS	7.	9.7	30.3	78.3
THERAGRA CHALCOGRAMMA	5.	6.9	21.6	55.9
TOTAL	72.	100.0	311.7	805.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	11.	91.7	47.6	123.0
STICHAEIDAE(FAMILY)	1.	8.3	4.3	11.2
TOTAL	12.	100.0	51.9	134.2

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	4.3	11.2
TOTAL	1.	100.0	4.3	11.2

TABLE:	43	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	43	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.5 C	VOL. FILTERED:	280 M3
POSITION:	49 14.2 N 123 33.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	60 . 28	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	347 M	TIME OF TOW:	1510 HR	ALIQUOT:	
		DEPTH OF TOW:	309 M	S.H.F.:	11.05

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	20.	48.8	71.4	221.0
MERLUCCIUS PRODUCTUS	16.	39.0	57.1	176.8
MICROGADUS PROXIMUS	1.	2.4	3.6	11.1
THERAGRA CHALCOGRAMMA	4.	9.8	14.3	44.2
TOTAL	41.	100.0	146.4	453.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	100.0	28.6	88.4
TOTAL	8.	100.0	28.6	88.4

TABLE:	44	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	44	WAVE HEIGHT:		GEAR TYPE:	BONGO 25 M2
DATE:	21/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.1 C	VOL. FILTERED:	282 M3
POSITION:	49 11.6 N 123 34.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	59 . 31	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	344 M	TIME OF TOW:	1547 HR	ALIQUOT:	
		DEPTH OF TOW:	324 M	S.H.F.:	11.49

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
LEUROGLOSSUS STILBIUS	45.	38.1	159.6	517.0
MERLUCCIUS PRODUCTUS	40.	33.9	141.8	459.6
MICROGADUS PROXIMUS	20.	16.9	70.9	229.8
THERAGRA CHALCOGRAMMA	5.	4.2	17.7	57.5
	8.	6.8	28.4	91.9
TOTAL	118.	100.0	418.4	1355.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	24.	100.0	85.1	275.8
TOTAL	24.	100.0	85.1	275.8

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.5	11.5
TOTAL	1.	100.0	3.5	11.5

TABLE:	45	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	45	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.5 C	VOL. FILTERED:	126 M3
POSITION:	49 10.0 N 123 41.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	62 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	146 M	TIME OF TOW:	1655 HR	ALIQUOT:	
		DEPTH OF TOW:	132 M	S.H.F.:	10.47

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	4.	44.4	31.7	41.9
MERLUCCIUS PRODUCTUS	4.	44.4	31.7	41.9
MICROGADUS PROXIMUS	1.	11.1	7.9	10.5
TOTAL	9.	100.0	71.4	94.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	24.	92.3	190.5	251.3
HEXAGRAMMIDAE(FAMILY)	2.	7.7	15.9	20.9
TOTAL	26.	100.0	206.3	272.2

TABLE:	46	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	46	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	22/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.4 C	VOL. FILTERED:	197 M3
POSITION:	49 7.7 N 123 36.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	58 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	180 M	TIME OF TOW:	0725 HR	ALIQUOT:	
		DEPTH OF TOW:	159 M	S.H.F.:	8.09

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	7.1	5.1	8.1
LEUROGLOSSUS STILBIUS	1.	7.1	5.1	8.1
MERLUCCIUS PRODUCTUS	11.	78.6	55.8	89.0
MICROGADUS PROXIMUS	1.	7.1	5.1	8.1
TOTAL	14.	100.0	71.1	113.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	57.	86.4	289.3	461.1
SCORPAENIDAE(FAMILY)	9.	13.6	45.7	72.8
TOTAL	66.	100.0	335.0	533.9

TABLE:	47	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	47	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	22/ 2/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	6.6 C	VOL. FILTERED:	315 M3
POSITION:	49 8.5 N 123 29.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	55 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	330 M	TIME OF TOW:	0820 HR	ALIQUOT:	
		DEPTH OF TOW:	312 M	S.H.F.:	9.92

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	21.	51.2	66.7	208.3
MERLUCCIUS PRODUCTUS	15.	36.6	47.6	148.8
THERAGRA CHALCOGRAMMA	5.	12.2	15.9	49.6
TOTAL	41.	100.0	130.2	406.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	15.	93.8	47.6	148.8
SCORPAENIDAE(FAMILY)	1.	6.3	3.2	9.9
TOTAL	16.	100.0	50.8	158.7

TABLE:	48	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	48	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.1 C	VOL. FILTERED:	287 M3
POSITION:	49 11.6 N 123 28.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	56 . 29	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	312 M	TIME OF TOW:	1045 HR	ALIQUOT:	
		DEPTH OF TOW:	276 M	S.H.F.:	9.62

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	54.	60.7	188.2	519.5
MERLUCCIUS PRODUCTUS	15.	16.9	52.3	144.3
THERAGRA CHALCOGRAMMA	20.	22.5	69.7	192.4
TOTAL	89.	100.0	310.1	856.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	30.	90.9	104.5	288.6
STICHAEIDAE(FAMILY)	1.	3.0	3.5	9.6
SCORPAENIDAE(FAMILY)	2.	6.1	7.0	19.2
TOTAL	33.	100.0	115.0	317.5

TABLE:	49	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	49	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	22/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.1 C	VOL. FILTERED:	210 M3
POSITION:	49 9.9 N 123 24.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	53 . 29	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	230 M	TIME OF TOW:	1125 HR	ALIQUOT:	
		DEPTH OF TOW:	209 M	S.H.F.:	9.97

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	29.	70.7	138.1	289.1
MERLUCCIUS PRODUCTUS	7.	17.1	33.3	69.8
THERAGRA CHALCOGRAMMA	5.	12.2	23.8	49.9
TOTAL	41.	100.0	195.2	408.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	12.	100.0	57.1	119.6
TOTAL	12.	100.0	57.1	119.6

TABLE:	50	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	50	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	22/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:		VOL. FILTERED:	162 M3
POSITION:	49 7.7 N 123 19.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	49 . 29	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	145 M	TIME OF TOW:	1205 HR	ALIQUOT:	
		DEPTH OF TOW:	127 M	S.H.F.:	7.83

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	33.3	6.2	7.8
MERLUCCIUS PRODUCTUS	1.	33.3	6.2	7.8
THERAGRA CHALCOGRAMMA	1.	33.3	6.2	7.8
TOTAL	3.	100.0	18.5	23.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	14.	93.3	86.4	109.6
AMMODYTES HEXAPTERUS	1.	6.7	6.2	7.8
TOTAL	15.	100.0	92.6	117.5

TABLE:	51	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	51	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	22/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.4 C	VOL. FILTERED:	220 M3
POSITION:	49 6.3 N 123 24.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	51 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	252 M	TIME OF TOW:	1325 HR	ALIQUOT:	
		DEPTH OF TOW:	232 M	S.H.F.:	10.55

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	19.	45.2	86.4	200.4
MERLUCCIUS PRODUCTUS	18.	42.9	81.8	189.9
THERAGRA CHALCOGRAMMA	5.	11.9	22.7	52.8
TOTAL	42.	100.0	190.9	443.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	19.	100.0	86.4	200.4
TOTAL	19.	100.0	86.4	200.4

TABLE:	52	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	52	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	22/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.3 C	VOL. FILTERED:	253 M3
POSITION:	49 3.8 N 123 21.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	48 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	230 M	TIME OF TOW:	1405 HR	ALIQUOT:	
		DEPTH OF TOW:	199 M	S.H.F.:	7.86

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	4.	6.5	15.8	31.4
MERLUCCIUS PRODUCTUS	55.	88.7	217.4	432.3
THERAGRA CHALCOGRAMMA	3.	4.8	11.9	23.6
TOTAL	62.	100.0	245.1	487.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	16.	94.1	63.2	125.8
AMMODYTES HEXAPTERUS	1.	5.9	4.0	7.9
TOTAL	17.	100.0	67.2	133.6

TABLE:	53	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	53	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	22/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.7 C	VOL. FILTERED:	281 M3
POSITION:	49 3.3 N 123 26.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	50 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	310 M	TIME OF TOW:	1500 HR	ALIQUOT:	
		DEPTH OF TOW:	280 M	S.H.F.:	9.95

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	24.	44.4	85.4	238.8
MERLUCCIUS PRODUCTUS	20.	37.0	71.2	199.0
THERAGRA CHALCOGRAMMA	10.	18.5	35.6	99.5
TOTAL	54.	100.0	192.2	537.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	12.	92.3	42.7	119.4
SCORPAENIDAE(FAMILY)	1.	7.7	3.6	9.9
TOTAL	13.	100.0	46.3	129.4

TABLE:	54	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	7 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	54	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	22/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.7 C	VOL. FILTERED:	276 M3
POSITION:	49 4.9 N 123 29.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	53 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	330 M	TIME OF TOW:	1600 HR	ALIQUOT:	
		DEPTH OF TOW:	314 M	S.H.F.:	11.36

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	44.	72.1	159.4	499.8
MERLUCCIUS PRODUCTUS	14.	23.0	50.7	159.0
THERAGRA CHALCOGRAMMA	3.	4.9	10.9	34.1
TOTAL	61.	100.0	221.0	693.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	27.	96.4	97.8	306.7
SCORPAENIDAE(FAMILY)	1.	3.6	3.6	11.4
TOTAL	28.	100.0	101.4	318.1

TABLE:	55	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	55	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	22/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:		VOL. FILTERED:	181 M3
POSITION:	49 3.6 N 123 34.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	55 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	105 M	TIME OF TOW:	1715 HR	ALIQUOT:	
		DEPTH OF TOW:	181 M	S.H.F.:	10.00

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	2.	2.6	11.0	20.0
LEUROGLOSSUS STILBIUS	4.	5.2	22.1	40.0
MERLUCCIUS PRODUCTUS	70.	90.9	386.7	700.0
MICROGADUS PROXIMUS	1.	1.3	5.5	10.0
TOTAL	77.	100.0	425.4	770.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	16.	88.9	88.4	160.0
SCORPAENIDAE(FAMILY)	2.	11.1	11.0	20.0
TOTAL	18.	100.0	99.4	180.0

TABLE:	56	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	56	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	23/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.0 C	VOL. FILTERED:	234 M3
POSITION:	49 1.9 N 123 31.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	52 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	254 M	TIME OF TOW:	0830 HR	ALIQUOT:	
		DEPTH OF TOW:	230 M	S.H.F.:	9.84

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.7	4.3	9.8
LEUROGLOSSUS STILBIUS	49.	32.5	209.4	482.2
MERLUCCIUS PRODUCTUS	72.	47.7	307.7	708.5
MICROGADUS PROXIMUS	1.	0.7	4.3	9.8
THERAGRA CHALCOGRAMMA	28.	18.5	119.7	275.5
TOTAL	151.	100.0	645.3	1485.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	12.	100.0	51.3	118.1
TOTAL	12.	100.0	51.3	118.1

TABLE:	57	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	57	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	23/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	6.7 C	VOL. FILTERED:	231 M3
POSITION:	49 0.2 N 123 27.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	49 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	238 M	TIME OF TOW:	0922 HR	ALIQUOT:	
		DEPTH OF TOW:	204 M	S.H.F.:	8.82

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	25.	30.9	108.2	220.5
MERLUCCIUS PRODUCTUS	40.	49.4	173.2	352.8
THERAGRA CHALCOGRAMMA	16.	19.8	69.3	141.1
TOTAL	81.	100.0	350.6	714.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	20.	95.2	86.6	176.4
SCORPAENIDAE(FAMILY)	1.	4.8	4.3	8.8
TOTAL	21.	100.0	90.9	185.2

TABLE: 58
CRUISE: SG 81- 1
SAMPLE NO.: 58
DATE: 23/ 2/81
VESSEL: CALIGUS
POSITION: 48 57.7 N 123 24.4 W
GRID POSITION: 46 . 39
BOTTOM DEPTH: 205 M

WIND DIRECTION: 135 DEG
WIND VELOCITY: 2 MPS
WAVE HEIGHT:
SWELL HEIGHT: 0 M
SURFACE TEMP: 6.9 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 1010 HR
DEPTH OF TOW: 178 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 196 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 9.10

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	1.	5.3	5.1	9.1
LEUROGLOSSUS STILBIUS	3.	15.8	15.3	27.3
MERLUCCIUS PRODUCTUS	10.	52.6	51.0	91.0
THERAGRA CHALCOGRAMMA	5.	26.3	25.5	45.5
TOTAL	19.	100.0	96.9	172.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	7.	87.5	35.7	63.7
AMMODYTES HEXAPTERUS	1.	12.5	5.1	9.1
TOTAL	8.	100.0	40.8	72.8

TABLE:	59	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	59	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	23/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.1 C	VOL. FILTERED:	228 M3
POSITION:	49 0.2 N 123 21.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	46 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	241 M	TIME OF TOW:	1105 HR	ALIQUOT	
		DEPTH OF TOW:	223 M	S.H.F.:	9.77

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	6.	7.7	26.3	58.6
MERLUCCIUS PRODUCTUS	66.	84.6	289.5	644.8
MICROGADUS PROXIMUS	1.	1.3	4.4	9.8
THERAGRA CHALCOGRAMMA	5.	6.4	21.9	48.9
TOTAL	78.	100.0	342.1	762.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	21.	95.5	92.1	205.2
ANOPLARCHUS PURPURESCENS	1.	4.5	4.4	9.8
TOTAL	22.	100.0	96.5	214.9

TABLE:	60	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO..	60	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	23/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	6.4 C	VOL. FILTERED:	138 M3
POSITION:	49 1.6 N 123 16.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	44 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	136 M	TIME OF TOW:	1153 HR	ALIQUOT:	
		DEPTH OF TOW:	124 M	S.H.F.:	9.02

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	50.0	7.2	9.0
MERLUCCIUS PRODUCTUS	1.	50.0	7.2	9.0
TOTAL	2.	100.0	14.5	18.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	6.	75.0	43.5	54.1
AMMODYTES HEXAPTERUS	2.	25.0	14.5	18.0
TOTAL	8.	100.0	58.0	72.2

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	1.	100.0	7.2	9.0
TOTAL	1.	100.0	7.2	9.0

TABLE:	61	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	61	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	23/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.0 C	VOL. FILTERED:	146 M3
POSITION:	48 58.2 N 123 14.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	41 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	148 M	TIME OF TOW:	1240 HR	ALIQUOT:	
		DEPTH OF TOW:	131 M	S.H.F.:	8.99

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	50.0	6.8	9.0
MERLUCCIUS PRODUCTUS	1.	50.0	6.8	9.0
TOTAL	2.	100.0	13.7	18.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	6.	75.0	41.1	53.9
MICROGADUS PROXIMUS	1.	12.5	6.8	9.0
AMMODYTES HEXAPTERUS	1.	12.5	6.8	9.0
TOTAL	8.	100.0	54.8	71.9

TABLE:	62	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	62	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	23/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.9 C	VOL. FILTERED:	179 M3
POSITION:	48 57.7 N 123 18.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	43 . 37	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	191 M	TIME OF TOW:	1320 HR	ALIQUOT:	
		DEPTH OF TOW:	181 M	S.H.F.:	10.09

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	5.3	11.2	20.2
MERLUCCIUS PRODUCTUS	36.	94.7	201.1	363.2
TOTAL	38.	100.0	212.3	383.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	44.	93.6	245.8	444.0
AMMODYTES HEXAPTERUS	1.	2.1	5.6	10.1
SCORPAENIDAE(FAMILY)	2.	4.3	11.2	20.2
TOTAL	47.	100.0	262.6	474.2

TABLE:	63	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	63	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	23/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.8 C	VOL. FILTERED:	166 M3
POSITION:	48 55.6 N 123 21.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	43 . 39	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	184 M	TIME OF TOW:	1405 HR	ALIQUOT:	
		DEPTH OF TOW:	168 M	S.H.F.:	10.15

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	4.	13.8	24.1	40.6
MERLUCCIUS PRODUCTUS	24.	82.8	144.6	243.6
THERAGRA CHALCOGRAMMA	1.	3.4	6.0	10.1
TOTAL	29.	100.0	174.7	294.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	80.0	48.2	81.2
SCORPAENIDAE(FAMILY)	1.	10.0	6.0	10.1
HEXAGRAMMIDAE(FAMILY)	1.	10.0	6.0	10.1
TOTAL	10.	100.0	60.2	101.5

TABLE:	64	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	64	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	23/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.4 C	VOL. FILTERED:	188 M3
POSITION:	48 54.4 N 123 16.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	40 . 39	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	188 M	TIME OF TOW:	1445 HR	ALIQUOT:	
		DEPTH OF TOW:	174 M	S.H.F.:	9.27

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	65.	95.6	345.7	602.6
THERAGRA CHALCOGRAMMA	3.	4.4	16.0	27.8
TOTAL	68.	100.0	361.7	630.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	9.	52.9	47.9	83.4
AMMODYTES HEXAPTERUS	4.	23.5	21.3	37.1
SCORPAENIDAE(FAMILY)	2.	11.8	10.6	18.5
HEXAGRAMMIDAE(FAMILY)	1.	5.9	5.3	9.3
COTTIDAE(FAMILY)	1.	5.9	5.3	9.3
TOTAL	17.	100.0	90.4	157.6

TABLE:	65	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	65	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	23/ 2/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.2 C	VOL. FILTERED:	166 M3
POSITION:	48 56.0 N 123 15.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	40 . 37	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	159 M	TIME OF TOW:	1530 HR	ALIQUOT:	
		DEPTH OF TOW:	143 M	S.H.F.:	8.59

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	1.	100.0	6.0	8.6
TOTAL	1.	100.0	6.0	8.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	17.	100.0	102.4	146.0
TOTAL	17.	100.0	102.4	146.0

TABLE:	66	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	66	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	23/ 2/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.9 C	VOL. FILTERED:	118 M3
POSITION:	48 56.8 N 123 8.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	37 . 34	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	111 M	TIME OF TOW:	1630 HR	ALIQUOT:	
		DEPTH OF TOW:	98 M	S.H.F.:	8.31

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	8.5	8.3
TOTAL	1.	100.0	8.5	8.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	66.7	16.9	16.6
SCORPAENIDAE(FAMILY)	1.	33.3	8.5	8.3
TOTAL	3.	100.0	25.4	24.9

TABLE:	67	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	67	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	23/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.8 C	VOL. FILTERED:	119 M3
POSITION:	48 53.8 N 123 10.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	36 . 37	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	128 M	TIME OF TOW:	1715 HR	ALIQUOT:	
		DEPTH OF TOW:	116 M	S.H.F.:	9.79

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	1.	100.0	8.4	9.8
TOTAL	1.	100.0	8.4	9.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	9.	64.3	75.6	88.1
AMMODYTES HEXAPTERUS	2.	14.3	16.8	19.6
SCORPAENIDAE(FAMILY)	3.	21.4	25.2	29.4
TOTAL	14.	100.0	117.6	137.1

TABLE:	68	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	68	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	23/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.3 C	VOL. FILTERED:	173 M3
POSITION:	48 52.3 N 123 13.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	37 . 39	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	197 M	TIME OF TOW:	1750 HR	ALIQUOT:	
		DEPTH OF TOW:	178 M	S.H.F.:	10.29

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	1.	50.0	5.8	10.3
THERAGRA CHALCOGRAMMA	1.	50.0	5.8	10.3
TOTAL	2.	100.0	11.6	20.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	12.	80.0	69.4	123.5
SCORPAENIDAE(FAMILY)	3.	20.0	17.3	30.9
TOTAL	15.	100.0	86.7	154.4

TABLE:	69	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	69	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	24/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.0 C	VOL. FILTERED:	215 M3
POSITION:	48 50.6 N 123 9.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	34 . 39	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	203 M	TIME OF TOW:	0720 HR	ALIQUOT:	
		DEPTH OF TOW:	170 M	S.H.F.:	7.91

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	1.	100.0	4.7	7.9
TOTAL	1.	100.0	4.7	7.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	9.	69.2	41.9	71.2
SCORPAENIDAE(FAMILY)	4.	30.8	18.6	31.6
TOTAL	13.	100.0	60.5	102.8

TABLE: 70
CRUISE: SG 81- 1
SAMPLE NO.: 70
DATE: 24/ 2/81
VESSEL: CALIGUS
POSITION: 48 49.1 N 123 7.5 W
GRID POSITION: 32 . 40
BOTTOM DEPTH: 145 M

WIND DIRECTION: 315 DEG
WIND VELOCITY: 4 MPS
WAVE HEIGHT:
SWELL HEIGHT: 0 M
SURFACE TEMP: 8.1 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 0805 HR
DEPTH OF TOW: 139 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 121 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 11.50

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	1.	100.0	8.3	11.5
TOTAL	1.	100.0	8.3	11.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	66.7	66.1	92.0
MICROGADUS PROXIMUS	1.	8.3	8.3	11.5
AMMODYTES HEXAPTERUS	1.	8.3	8.3	11.5
SCORPAENIDAE(FAMILY)	2.	16.7	16.5	23.0
TOTAL	12.	100.0	99.2	138.0

TABLE:	71	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	71	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	24/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.1 C	VOL. FILTERED:	175 M3
POSITION:	48 49.7 N 123 5.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	31 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	195 M	TIME OF TOW:	0843 HR	ALIQUOT:	
		DEPTH OF TOW:	188 M	S.H.F.:	10.74

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	20.0	5.7	10.7
AMMODYTES HEXAPTERUS	1.	20.0	5.7	10.7
SCORPAENIDAE(FAMILY)	3.	60.0	17.1	32.2
TOTAL	5.	100.0	28.6	53.7

TABLE:	72	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	72	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	24/ 2/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.9 C	VOL. FILTERED:	175 M3
POSITION:	48 48.6 N 123 2.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	29 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	175 M	TIME OF TOW:	0920 HR	ALIQUOT:	
		DEPTH OF TOW:	171 M	S.H.F.:	9.78

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	11.1	5.7	9.8
LEUROGLOSSUS STILBIUS	5.	55.6	28.6	48.9
AMMODYTES HEXAPTERUS	1.	11.1	5.7	9.8
SCORPAENIDAE(FAMILY)	2.	22.2	11.4	19.6
TOTAL	9.	100.0	51.4	88.0

TABLE:	73	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	73	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	24/ 2/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.0 C	VOL. FILTERED:	178 M3
POSITION:	48 49.3 N 122 59.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	28 . 37	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	221 M	TIME OF TOW:	0958 HR	ALIQUOT:	
		DEPTH OF TOW:	209 M	S.H.F.:	11.76

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MICROGADUS PROXIMUS	1.	50.0	5.6	11.8
THERAGRA CHALCOGRAMMA	1.	50.0	5.6	11.8
TOTAL	2.	100.0	11.2	23.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	6.3	5.6	11.8
LEUROGLOSSUS STILBIUS	2.	12.5	11.2	23.5
AMMODYTES HEXAPTERUS	6.	37.5	33.7	70.6
SCORPAENIDAE(FAMILY)	6.	37.5	33.7	70.6
CYCLOPTERIDAE(FAMILY)	1.	6.3	5.6	11.8
TOTAL	16.	100.0	89.9	188.2

TABLE:	74	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	10 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	74	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	24/ 2/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.2 C	VOL. FILTERED:	186 M3
POSITION:	48 47.4 N 122 58.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	26 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	207 M	TIME OF TOW:	1040 HR	ALIQUOT:	
		DEPTH OF TOW:	195 M	S.H.F.:	10.50

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	5.4	10.5
TOTAL	1.	100.0	5.4	10.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	80.0	43.0	84.0
AMMODYTES HEXAPTERUS	1.	10.0	5.4	10.5
SCORPAENIDAE(FAMILY)	1.	10.0	5.4	10.5
TOTAL	10.	100.0	53.8	105.0

TABLE:	75	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	75	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	24/ 2/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.4 C	VOL. FILTERED:	184 M3
POSITION:	48 48.5 N 122 55.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	25 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	195 M	TIME OF TOW:	1125 HR	ALIQUOT:	
		DEPTH OF TOW:	195 M	S.H.F.:	10.63

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MICROGADUS PROXIMUS	2.	100.0	10.9	21.3
TOTAL	2.	100.0	10.9	21.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	4.	33.3	21.7	42.5
AMMODYTES HEXAPTERUS	4.	33.3	21.7	42.5
SCORPAENIDAE(FAMILY)	1.	8.3	5.4	10.6
COTTIDAE(FAMILY)	1.	8.3	5.4	10.6
CYCLOPTERIDAE(FAMILY)	2.	16.7	10.9	21.3
TOTAL	12.	100.0	65.2	127.6

TABLE:	76	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	12 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	76	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	24/ 2/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.4 C	VOL. FILTERED:	164 M3
POSITION:	48 50.7 N 122 54.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	26 . 34	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	175 M	TIME OF TOW:	1215 HR	ALIQUOT:	
		DEPTH OF TOW:	157 M	S.H.F.:	9.57

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	12.5	6.1	9.6
AMMODYTES HEXAPTERUS	2.	25.0	12.2	19.1
SCORPAENIDAE(FAMILY)	4.	50.0	24.4	38.3
HEXAGRAMMIDAE(FAMILY)	1.	12.5	6.1	9.6
TOTAL	8.	100.0	48.8	76.6

TABLE:	77	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	12 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	77	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	24/ 2/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.4 C	VOL. FILTERED:	182 M3
POSITION:	48 51.7 N 122 58.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	28 . 34	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	205 M	TIME OF TOW:	1300 HR	ALIQUOT:	
		DEPTH OF TOW:	187 M	S.H.F.:	10.27

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	22.2	11.0	20.5
STICHAEIDAE(FAMILY)	1.	11.1	5.5	10.3
AMMODYTES HEXAPTERUS	4.	44.4	22.0	41.1
SCORPAENIDAE(FAMILY)	2.	22.2	11.0	20.5
TOTAL	9.	100.0	49.5	92.4

TABLE:	78	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	10 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	78	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	24/ 2/81	SWELL HEIGHT:	2 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.3 C	VOL. FILTERED:	168 M3
POSITION:	48 51.8 N 123 2.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	31 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	180 M	TIME OF TOW:	1345 HR	ALIQUOT:	
		DEPTH OF TOW:	170 M	S.H.F.:	10.13

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	1.	9.1	6.0	10.1
MICROGADUS PROXIMUS	10.	90.9	59.5	101.3
TOTAL	11.	100.0	65.5	111.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	16.7	17.9	30.4
AMMODYTES HEXAPTERUS	6.	33.3	35.7	60.8
SCORPAENIDAE(FAMILY)	8.	44.4	47.6	81.0
CYCLOPTERIDAE(FAMILY)	1.	5.6	6.0	10.1
TOTAL	18.	100.0	107.1	182.3

TABLE:	79
CRUISE:	SG 81- 1
SAMPLE NO.:	79
DATE:	24/ 2/81
VESSEL:	CALIGUS
POSITION:	48 54.0 N 122 56.9 W
GRID POSITION:	29 . 32
BOTTOM DEPTH:	105 M

WIND DIRECTION:	315 DEG
WIND VELOCITY:	5 MPS
WAVE HEIGHT:	
SWELL HEIGHT:	1 M
SURFACE TEMP:	8.5 C
STD NUMBER:	
BT/XBT NUMBER:	
TIME OF TOW:	1450 HR
DEPTH OF TOW:	94 M

TOW SPEED:	1 MPS
TYPE OF TOW:	OBLIQUE
GEAR TYPE:	BONGO .25 M2
MESH SIZE:	.351 MM
VOL. FILTERED:	121 M3
DISP. VOLUME:	
PLANKTON CONC.:	
ALIQUOT:	
S.H.F.:	7.77

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	25.0	24.8	23.3
MERLUCCIUS PRODUCTUS	1.	8.3	8.3	7.8
MICROGADUS PROXIMUS	8.	66.7	66.1	62.2
TOTAL	12.	100.0	99.2	93.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	21.4	24.8	23.3
LYCONECTES ALEUTENSIS	1.	7.1	8.3	7.8
AMMODYTES HEXAPTERUS	4.	28.6	33.1	31.1
SCORPAENIDAE(FAMILY)	6.	42.9	49.6	46.6
TOTAL	14.	100.0	115.7	108.8

TABLE:	80	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 1	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	80	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	24/ 2/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.5 C	VOL. FILTERED:	126 M3
POSITION:	48 55.4 N 123 2.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	33 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	127 M	TIME OF TOW:	1535 HR	ALIQUOT:	
		DEPTH OF TOW:	110 M	S.H.F.:	8.75

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MICROGADUS PROXIMUS	7.	100.0	55.6	61.3
TOTAL	7.	100.0	55.6	61.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
OSMERIDAE(FAMILY)	1.	7.7	7.9	8.8
STICHAEIDAE(FAMILY)	2.	15.4	15.9	17.5
AMMODYTES HEXAPTERUS	3.	23.1	23.8	26.3
SCORPAENIDAE(FAMILY)	6.	46.2	47.6	52.5
COTTIDAE(FAMILY)	1.	7.7	7.9	8.8
TOTAL	13.	100.0	103.2	113.8

TABLE:	81	WIND DIRECTION:	360 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	1	WAVE HEIGHT:		GEAR TYPE:	BONGO 25 M2
DATE:	2/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.7 C	VOL. FILTERED:	218 M3
POSITION:	49 15.8 N 123 57.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	74 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	342 M	TIME OF TOW:	0700 HR	ALIQUOT:	
		DEPTH OF TOW:	313 M	S.H.F.:	14.38

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	11.	84.6	50.5	158.2
MERLUCCIUS PRODUCTUS	1.	7.7	4.6	14.4
THERAGRA CHALCOGRAMMA	1.	7.7	4.6	14.4
TOTAL	13.	100.0	59.3	186.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	50.0	4.6	14.4
SCORPAENIDAE(FAMILY)	1.	50.0	4.6	14.4
TOTAL	2.	100.0	9.2	28.8

TABLE:	82	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	2	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.6 C	VOL. FILTERED:	209 M3
POSITION:	49 18.6 N 123 58.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	76 . 34	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	408 M	TIME OF TOW:	0754 HR	ALIQUOT:	
		DEPTH OF TOW:	403 M	S.H.F.:	19.31

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	30.	85.7	143.5	579.3
MERLUCCIUS PRODUCTUS	5.	14.3	23.9	96.5
TOTAL	35.	100.0	167.5	675.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	34.	97.1	162.7	656.5
MERLUCCIUS PRODUCTUS	1.	2.9	4.8	19.3
TOTAL	35.	100.0	167.5	675.8

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	4.8	19.3
TOTAL	1.	100.0	4.8	19.3

TABLE:	83	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	3	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.5 C	VOL. FILTERED:	370 M3
POSITION:	49 20.3 N 124 1.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	79 . 34	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	409 M	TIME OF TOW:	0845 HR	ALIQUOT:	
		DEPTH OF TOW:	382 M	S.H.F.:	10.33

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	57.	80.3	154.1	588.8
MERLUCCIUS PRODUCTUS	11.	15.5	29.7	113.6
THERAGRA CHALCOGRAMMA	3.	4.2	8.1	31.0
TOTAL	71.	100.0	191.9	733.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	20.	100.0	54.1	206.6
TOTAL	20.	100.0	54.1	206.6

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	100.0	8.1	31.0
TOTAL	3.	100.0	8.1	31.0

TABLE:	84	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	4	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.6 C	VOL. FILTERED:	213 M3
POSITION:	49 18.2 N 124 4.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	79 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	245 M	TIME OF TOW:	0934 HR	ALIQUOT:	
		DEPTH OF TOW:	232 M	S.H.F.:	10.91

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	36.	92.3	169.0	392.8
MERLUCCIUS PRODUCTUS	3.	7.7	14.1	32.7
TOTAL	39.	100.0	183.1	425.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	18.	94.7	84.5	196.4
SCORPAENIDAE(FAMILY)	1.	5.3	4.7	10.9
TOTAL	19.	100.0	89.2	207.3

TABLE:	85	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	5	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.6 C	VOL. FILTERED:	303 M3
POSITION:	49 20.3 N 124 7.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	82 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	372 M	TIME OF TOW:	1017 HR	ALIQUOT:	
		DEPTH OF TOW:	350 M	S.H.F.:	11.57

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	38.	82.6	125.4	439.7
MERLUCCIUS PRODUCTUS	4.	8.7	13.2	46.3
THERAGRA CHALCOGRAMMA	4.	8.7	13.2	46.3
TOTAL	46.	100.0	151.8	532.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	29.	93.5	95.7	335.5
MERLUCCIUS PRODUCTUS	1.	3.2	3.3	11.6
SCORPAENIDAE(FAMILY)	1.	3.2	3.3	11.6
TOTAL	31.	100.0	102.3	358.7

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.3	11.6
TOTAL	1.	100.0	3.3	11.6

TABLE:	86
CRUISE:	SG 81- 2
SAMPLE NO.:	6
DATE:	2/ 3/81
VESSEL:	CALIGUS
POSITION:	49 22.8 N 124 10.3 W
GRID POSITION:	85 . 35
BOTTOM DEPTH:	351 M

WIND DIRECTION:	135 DEG
WIND VELOCITY:	2 MPS
WAVE HEIGHT:	
SWELL HEIGHT:	0 M
SURFACE TEMP:	7.8 C
STD NUMBER:	
BT/XBT NUMBER:	
TIME OF TOW:	1110 HR
DEPTH OF TOW:	316 M

TOW SPEED:	1 MPS
TYPE OF TOW:	OBLIQUE
GEAR TYPE:	BONGO .25 M2
MESH SIZE:	.351 MM
VOL. FILTERED:	312 M3
DISP. VOLUME:	
PLANKTON CONC.:	
ALIQUOT:	
S.H.F.:	10.14

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	40.	51.3	128.2	405.6
MERLUCCIUS PRODUCTUS	11.	14.1	35.3	111.5
THERAGRA CHALCOGRAMMA	27.	34.6	86.5	273.8
TOTAL	78.	100.0	250.0	790.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	4.2	3.2	10.1
LEUROGLOSSUS STILBIUS	20.	83.3	64.1	202.8
THERAGRA CHALCOGRAMMA	1.	4.2	3.2	10.1
SCORPAENIDAE(FAMILY)	2.	3.3	6.4	20.3
TOTAL	24.	100.0	76.9	243.4

TABLE:	87	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	7	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.9 C	VOL. FILTERED:	215 M3
POSITION:	49 22.8 N 124 4.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	82 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	250 M	TIME OF TOW:	1205 HR	ALIQUOT:	
		DEPTH OF TOW:	245 M	S.H.F.:	11.40

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	30.	65.2	139.5	342.0
MERLUCCIUS PRODUCTUS	5.	10.9	23.3	57.0
THERAGRA CHALCOGRAMMA	11.	23.9	51.2	125.4
TOTAL	46.	100.0	214.0	524.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	26.	100.0	120.9	296.4
TOTAL	26.	100.0	120.9	296.4

TABLE:	88	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	8	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.9 C	VOL. FILTERED:	283 M3
POSITION:	49 25.6 N 124 5.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	84 . 31	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	322 M	TIME OF TOW:	1250 HR	ALIQUOT:	
		DEPTH OF TOW:	317 M	S.H.F.:	11.20

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	22.	51.2	77.7	246.4
MERLUCCIUS PRODUCTUS	4.	9.3	14.1	44.8
THERAGRA CHALCOGRAMMA	17.	39.5	60.1	190.4
TOTAL	43.	100.0	151.9	481.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	11.	91.7	38.9	123.2
COTTIDAE(FAMILY)	1.	8.3	3.5	11.2
TOTAL	12.	100.0	42.4	134.4

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.5	11.2
TOTAL	1.	100.0	3.5	11.2

TABLE:	89	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	9	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.9 C	VOL. FILTERED:	248 M3
POSITION:	49 28.0 N 124 3.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	84 . 28	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	323 M	TIME OF TOW:	1340 HR	ALIQUOT:	
		DEPTH OF TOW:	280 M	S.H.F.:	11.27

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	14.	50.0	56.5	157.8
MERLUCCIUS PRODUCTUS	4.	14.3	16.1	45.1
THERAGRA CHALCOGRAMMA	10.	35.7	40.3	112.7
TOTAL	28.	100.0	112.9	315.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	11.	91.7	44.4	124.0
MERLUCCIUS PRODUCTUS	1.	8.3	4.0	11.3
TOTAL	12.	100.0	48.4	135.2

TABLE: 90
CRUISE: SG 81- 2
SAMPLE NO.: 10
DATE: 2/ 3/81
VESSEL: CALIGUS
POSITION: 49 27.2 N 123 58.4 W
GRID POSITION: 81 . 27
BOTTOM DEPTH: 201 M

WIND DIRECTION: 180 DEG
WIND VELOCITY: 2 MPS
WAVE HEIGHT:
SWELL HEIGHT: 0 M
SURFACE TEMP: 7.9 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 1425 HR
DEPTH OF TOW: 190 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 199 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 9.54

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	7.7	5.0	9.5
LEUROGLOSSUS STILBIUS	4.	30.8	20.1	38.2
MERLUCCIUS PRODUCTUS	3.	23.1	15.1	28.6
THERAGRA CHALCOGRAMMA	5.	38.5	25.1	47.7
TOTAL	13.	100.0	65.3	124.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	20.0	10.1	19.1
LEUROGLOSSUS STILBIUS	8.	80.0	40.2	76.3
TOTAL	10.	100.0	50.3	95.4

TABLE:	91	WIND DIRECTION:	90 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	11	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.9 C	VOL. FILTERED:	390 M3
POSITION:	49 24.7 N 124 1.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	81 . 30	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	398 M	TIME OF TOW:	1510 HR	ALIQUOT:	
		DEPTH OF TOW:	370 M	S.H.F.:	9.48

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	39.	56.5	100.0	369.7
MERLUCCIUS PRODUCTUS	10.	14.5	25.6	94.8
THERAGRA CHALCOGRAMMA	20.	29.0	51.3	189.6
TOTAL	69.	100.0	176.9	654.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	33.	100.0	84.6	312.8
TOTAL	33.	100.0	84.6	312.8

TABLE:	92	WIND DIRECTION:	90 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	12	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.9 C	VOL. FILTERED:	321 M3
POSITION:	49 23.9 N 123 56.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	78 . 29	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	338 M	TIME OF TOW:	1600 HR	ALIQUOT:	
		DEPTH OF TOW:	335 M	S.H.F.:	10.45

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	31.	22.6	96.6	323.9
MERLUCCIUS PRODUCTUS	46.	33.6	143.3	480.7
THERAGRA CHALCOGRAMMA	60.	43.8	186.9	627.0
TOTAL	137.	100.0	426.8	1431.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	22.	95.7	68.5	229.9
MERLUCCIUS PRODUCTUS	1.	4.3	3.1	10.4
TOTAL	23.	100.0	71.7	240.3

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.1	10.4
TOTAL	1.	100.0	3.1	10.4

TABLE:	93	WIND DIRECTION:	90 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	13	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.8 C	VOL. FILTERED:	263 M3
POSITION:	49 21.4 N 123 58.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	78 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	297 M	TIME OF TOW:	1650 HR	ALIQUOT:	
		DEPTH OF TOW:	282 M	S.H.F.:	10.71

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	49.	43.0	186.3	524.8
MERLUCCIUS PRODUCTUS	37.	32.5	140.7	396.3
THERAGRA CHALCOGRAMMA	28.	24.6	106.5	299.9
TOTAL	114.	100.0	433.5	1220.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	28.	100.0	106.5	299.9
TOTAL	28.	100.0	106.5	299.9

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.8	10.7
TOTAL	1.	100.0	3.8	10.7

TABLE:	94	WIND DIRECTION:	90 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	14	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	2/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.0 C	VOL. FILTERED:	377 M3
POSITION:	49 18.3 N 123 54.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	74 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	412 M	TIME OF TOW:	1740 HR	ALIQUOT:	
		DEPTH OF TOW:	384 M	S.H.F.:	10.18

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	41.	60.3	108.8	417.4
MERLUCCIUS PRODUCTUS	8.	11.8	21.2	81.4
THERAGRA CHALCOGRAMMA	19.	27.9	50.4	193.4
TOTAL	68.	100.0	180.4	692.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	40.	95.2	106.1	407.2
MERLUCCIUS PRODUCTUS	1.	2.4	2.7	10.2
LYCODAPUS MANDIBULARIS	1.	2.4	2.7	10.2
TOTAL	42.	100.0	111.4	427.6

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	75.0	8.0	30.5
LYCODAPUS MANDIBULARIS	1.	25.0	2.7	10.2
TOTAL	4.	100.0	10.6	40.7

TABLE:	95	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	12 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	15	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	3/ 3/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.8 C	VOL. FILTERED:	224 M3
POSITION:	49 14.2 N 123 53.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	71 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	230 M	TIME OF TOW:	0715 HR	ALIQUOT:	
		DEPTH OF TOW:	209 M	S.H.F.:	9.34

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	16.	20.8	71.4	149.4
MERLUCCIUS PRODUCTUS	60.	77.9	267.9	560.4
THERAGRA CHALCOGRAMMA	1.	1.3	4.5	9.3
TOTAL	77.	100.0	343.8	719.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	9.	69.2	40.2	84.1
AMMODYTES HEXAPTERUS	1.	7.7	4.5	9.3
SCORPAENIDAE(FAMILY)	3.	23.1	13.4	28.0
TOTAL	13.	100.0	58.0	121.4

TABLE:	96	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	10 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	16	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	3/ 3/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.9 C	VOL. FILTERED:	368 M3
POSITION:	49 16.6 N 123 50.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	71 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	407 M	TIME OF TOW:	0800 HR	ALIQUOT:	
		DEPTH OF TOW:	385 M	S.H.F.:	10.48

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	42.	80.8	114.1	440.2
MERLUCCIUS PRODUCTUS	2.	3.8	5.4	21.0
THERAGRA CHALCOGRAMMA	8.	15.4	21.7	83.8
TOTAL	52.	100.0	141.3	545.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	100.0	21.7	83.8
TOTAL	8.	100.0	21.7	83.8

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	100.0	5.4	21.0
TOTAL	2.	100.0	5.4	21.0

TABLE:	97	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	17	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.4 C	VOL. FILTERED:	159 M3
POSITION:	49 13.3 N 123 48.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	68 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	183 M	TIME OF TOW:	0650 HR	ALIQUOT:	
		DEPTH OF TOW:	171 M	S.H.F.:	10.74

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	11.	28.2	69.2	118.1
MERLUCCIUS PRODUCTUS	25.	64.1	157.2	268.5
THERAGRA CHALCOGRAMMA	3.	7.7	18.9	32.2
TOTAL	39.	100.0	245.3	418.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	7.	70.0	44.0	75.2
SCORPAENIDAE(FAMILY)	3.	30.0	18.9	32.2
TOTAL	10.	100.0	62.9	107.4

TABLE:	98	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	18	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.1 C	VOL. FILTERED:	342 M3
POSITION:	49 13.3 N 123 43.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	65 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	394 M	TIME OF TOW:	0730 HR	ALIQUOT:	
		DEPTH OF TOW:	371 M	S.H.F.:	10.85

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	62.	16.7	181.3	672.7
MERLUCCIUS PRODUCTUS	219.	58.9	640.4	2376.2
THERAGRA CHALCOGRAMMA	91.	24.5	266.1	987.4
TOTAL	372.	100.0	1087.7	4036.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	25.	86.2	73.1	271.3
MERLUCCIUS PRODUCTUS	3.	10.3	8.8	32.6
THERAGRA CHALCOGRAMMA	1.	3.4	2.9	10.9
TOTAL	29.	100.0	84.8	314.7

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LYCODAPUS MANDIBULARIS	1.	100.0	2.9	10.9
TOTAL	1.	100.0	2.9	10.9

TABLE:	99	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	19	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.2 C	VOL. FILTERED:	338 M3
POSITION:	49 15.8 N 123 46.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	68 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	401 M	TIME OF TOW:	0825 HR	ALIQUOT:	
		DEPTH OF TOW:	390 M	S.H.F.:	11.53

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	46.	11.6	136.1	530.4
MERLUCCIUS PRODUCTUS	239.	60.1	707.1	2755.7
THERAGRA CHALCOGRAMMA	113.	28.4	334.3	1302.9
TOTAL	398.	100.0	1177.5	4588.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	17.	94.4	50.3	196.0
SCORPAENIDAE(FAMILY)	1.	5.6	3.0	11.5
TOTAL	18.	100.0	53.3	207.5

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	50.0	3.0	11.5
LYCODAPUS MANDIBULARIS	1.	50.0	3.0	11.5
TOTAL	2.	100.0	5.9	23.1

TABLE:	100	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	20	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.5 C	VOL. FILTERED:	323 M3
POSITION:	49 19.7 N 123 49.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	72 . 30	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	404 M	TIME OF TOW:	0930 HR	ALIQUOT:	
		DEPTH OF TOW:	380 M	S.H.F.:	11.76

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	46.	56.8	142.4	541.0
MERLUCCIUS PRODUCTUS	11.	13.6	34.1	129.4
THERAGRA CHALCOGRAMMA	23.	28.4	71.2	270.5
MICROSTOMUS PACIFICUS	1.	1.2	3.1	11.8
TOTAL	81.	100.0	250.8	952.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	35.	97.2	108.4	411.6
MERLUCCIUS PRODUCTUS	1.	2.8	3.1	11.8
TOTAL	36.	100.0	111.5	423.4

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.1	11.8
TOTAL	1.	100.0	3.1	11.8

TABLE:	101	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	21	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.4 C	VOL. FILTERED:	351 M3
POSITION:	49 21.4 N 123 53.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	75 . 30	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	425 M	TIME OF TOW:	1020 HR	ALIQUOT:	
		DEPTH OF TOW:	374 M	S.H.F.:	10.65

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	50.	56.8	142.5	532.5
MERLUCCIUS PRODUCTUS	18.	20.5	51.3	191.7
THERAGRA CHALCOGRAMMA	20.	22.7	57.0	213.0
TOTAL	88.	100.0	250.7	937.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	13.	92.9	37.0	138.4
MERLUCCIUS PRODUCTUS	1.	7.1	2.8	10.6
TOTAL	14.	100.0	39.9	149.1

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	2.8	10.6
TOTAL	1.	100.0	2.8	10.6

TABLE:	102	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	22	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.6 C	VOL. FILTERED:	171 M3
POSITION:	49 24.4 N 123 52.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	76 . 27	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	188 M	TIME OF TOW:	1115 HR	ALIQUOT:	
		DEPTH OF TOW:	179 M	S.H.F.:	10.50

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	5.3	5.8	10.5
LEUROGLOSSUS STILBIUS	3.	15.8	17.5	31.5
MERLUCCIUS PRODUCTUS	6.	31.6	35.1	63.0
THERAGRA CHALCOGRAMMA	9.	47.4	52.6	94.5
TOTAL	19.	100.0	111.1	199.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	9.	100.0	52.6	94.5
TOTAL	9.	100.0	52.6	94.5

TABLE:	103	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	23	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.5 C	VOL. FILTERED:	189 M3
POSITION:	49 27.2 N 123 52.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	78 . 25	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	207 M	TIME OF TOW:	1155 HR	ALIQUOT:	
		DEPTH OF TOW:	207 M	S.H.F.:	10.96

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	7.	36.8	37.0	76.7
MERLUCCIUS PRODUCTUS	7.	36.8	37.0	76.7
THERAGRA CHALCOGRAMMA	5.	26.3	26.5	54.8
TOTAL	19.	100.0	100.5	208.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	5.	100.0	26.5	54.8
TOTAL	5.	100.0	26.5	54.8

TABLE:	104	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	24	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.8 C	VOL. FILTERED:	165 M3
POSITION:	49 25.2 N 123 45.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	73 . 24	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	167 M	TIME OF TOW:	1245 HR	ALIQUOT:	
		DEPTH OF TOW:	157 M	S.H.F.:	9.52

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	25.0	6.1	9.5
THERAGRA CHALCOGRAMMA	3.	75.0	18.2	28.6
TOTAL	4.	100.0	24.2	38.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	16.	88.9	97.0	152.3
AMMODYTES HEXAPTERUS	2.	11.1	12.1	19.0
TOTAL	18.	100.0	109.1	171.4

TABLE:	105	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	25	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.8 C	VOL. FILTERED:	148 M3
POSITION:	49 22.2 N 123 47.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	72 . 27	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	147 M	TIME OF TOW:	1345 HR	ALIQUOT:	
		DEPTH OF TOW:	138 M	S.H.F.:	9.35

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	1.3	6.8	9.4
MERLUCCIUS PRODUCTUS	25.	33.3	168.9	233.8
THERAGRA CHALCOGRAMMA	49.	65.3	331.1	458.2
TOTAL	75.	100.0	506.8	701.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	32.	100.0	216.2	299.2
TOTAL	32.	100.0	216.2	299.2

TABLE:	106	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	26	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.8 C	VOL. FILTERED:	314 M3
POSITION:	49 18.8 N 123 45.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	69 . 29	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	334 M	TIME OF TOW:	1420 HR	ALIQUOT:	
		DEPTH OF TOW:	313 M	S.H.F.:	9.97

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	46.	14.2	146.5	458.6
MERLUCCIUS PRODUCTUS	124.	38.4	394.9	1236.3
THERAGRA CHALCOGRAMMA	153.	47.4	487.3	1525.4
TOTAL	323.	100.0	1028.7	3220.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	15.	88.2	47.8	149.6
MERLUCCIUS PRODUCTUS	2.	11.8	6.4	19.9
TOTAL	17.	100.0	54.1	169.5

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.2	10.0
TOTAL	1.	100.0	3.2	10.0

TABLE:	107	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	27	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:		VOL. FILTERED:	183 M3
POSITION:	49 19.4 N 123 40.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	67 . 27	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	190 M	TIME OF TOW:	1505 HR	ALIQUOT:	
		DEPTH OF TOW:	183 M	S.H.F.:	10.01

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	2.2	10.9	20.0
MERLUCCIUS PRODUCTUS	78.	84.8	426.2	780.8
THERAGRA CHALCOGRAMMA	12.	13.0	65.6	120.1
TOTAL	92.	100.0	502.7	920.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	12.	80.0	65.6	120.1
MERLUCCIUS PRODUCTUS	2.	13.3	10.9	20.0
SCORPAENIDAE(FAMILY)	1.	6.7	5.5	10.0
TOTAL	15.	100.0	82.0	150.1

TABLE:	108	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	28	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.7 C	VOL. FILTERED:	191 M3
POSITION:	49 21.3 N 123 42.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	69 . 26	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	195 M	TIME OF TOW:	1540 HR	ALIQUOT:	
		DEPTH OF TOW:	190 M	S.H.F.:	9.94

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	1.4	10.5	19.9
MERLUCCIUS PRODUCTUS	134.	94.4	701.6	1332.0
THERAGRA CHALCOGRAMMA	6.	4.2	31.4	59.6
TOTAL	142.	100.0	743.5	1411.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	4.	100.0	20.9	39.8
TOTAL	4.	100.0	20.9	39.8

TABLE:	109	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	29	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:		VOL. FILTERED:	166 M3
POSITION:	49 23.2 N 123 38.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	68 . 23	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	174 M	TIME OF TOW:	1620 HR	ALIQUOT:	
		DEPTH OF TOW:	168 M	S.H.F.:	10.13

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	1.	25.0	6.0	10.1
MERLUCCIUS PRODUCTUS	1.	25.0	6.0	10.1
MICROGADUS PROXIMUS	1.	25.0	6.0	10.1
THERAGRA CHALCOGRAMMA	1.	25.0	6.0	10.1
TOTAL	4.	100.0	24.1	40.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	88.9	48.2	81.0
MERLUCCIUS PRODUCTUS	1.	11.1	6.0	10.1
TOTAL	9.	100.0	54.2	91.2

TABLE:	110	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	30	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.6 C	VOL. FILTERED:	221 M3
POSITION:	49 19.4 N 123 35.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	64 . 25	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	224 M	TIME OF TOW:	1720 HR	ALIQUOT:	
		DEPTH OF TOW:	216 M	S.H.F.:	9.79

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	23.	4.0	104.1	225.2
MERLUCCIUS PRODUCTUS	528.	92.8	2389.1	5169.1
MICROGADUS PROXIMUS	5.	0.9	22.6	49.0
THERAGRA CHALCOGRAMMA	13.	2.3	58.8	127.3
TOTAL	569.	100.0	2574.7	5570.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	20.	95.2	90.5	195.8
MERLUCCIUS PRODUCTUS	1.	4.8	4.5	9.8
TOTAL	21.	100.0	95.0	205.6

TABLE:	111	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	31	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	5/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.6 C	VOL. FILTERED:	185 M3
POSITION:	49 20.7 N 123 30.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	62 . 22	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	197 M	TIME OF TOW:	1800 HR	ALIQUOT:	
		DEPTH OF TOW:	197 M	S.H.F.:	10.66

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	3.4	10.8	21.3
MERLUCCIUS PRODUCTUS	38.	64.4	205.4	405.1
MICROGADUS PROXIMUS	7.	11.9	37.8	74.6
THERAGRA CHALCOGRAMMA	12.	20.3	64.9	127.9
TOTAL	59.	100.0	318.9	628.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	5.4	10.7
TOTAL	1.	100.0	5.4	10.7

TABLE:	112	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	32	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.4 C	VOL. FILTERED:	143 M3
POSITION:	49 18.2 N 123 27.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	59 . 23	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	145 M	TIME OF TOW:	1032 HR	ALIQUOT:	
		DEPTH OF TOW:	136 M	S.H.F.:	9.49

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	7.	2.3	49.0	66.4
MERLUCCIUS PRODUCTUS	119.	38.4	832.2	1129.3
THERAGRA CHALCOGRAMMA	184.	59.4	1286.7	1746.2
TOTAL	310.	100.0	2167.8	2941.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	6.	100.0	42.0	56.9
TOTAL	6.	100.0	42.0	56.9

TABLE:	113	WIND DIRECTION:	292 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	33	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.9 C	VOL. FILTERED:	199 M3
POSITION:	49 19.0 N 123 20.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	56 . 20	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	221 M	TIME OF TOW:	1115 HR	ALIQUOT:	
		DEPTH OF TOW:	207 M	S.H.F.:	10.42

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	2.0	10.1	20.8
LEUROGLOSSUS STILBIUS	7.	7.1	35.2	72.9
MERLUCCIUS PRODUCTUS	60.	60.6	301.5	625.2
MICROGADUS PROXIMUS	25.	25.3	125.6	260.5
THERAGRA CHALCOGRAMMA	5.	5.1	25.1	52.1
TOTAL	99.	100.0	497.5	1031.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	6.7	5.0	10.4
LEUROGLOSSUS STILBIUS	13.	86.7	65.3	135.5
AMMODYTES HEXAPTERUS	1.	6.7	5.0	10.4
TOTAL	15.	100 0	75.4	156.3

TABLE:	114	WIND DIRECTION:	135 DEG
CRUISE:	SG 81- 2	WIND VELOCITY:	1 MPS
SAMPLE NO.:	34	WAVE HEIGHT:	
DATE:	6/ 3/81	SWELL HEIGHT:	0 M
VESSEL:	CALIGUS	SURFACE TEMP:	7.7 C
POSITION:	49 16.5 N 123 23.4 W	STD NUMBER:	
GRID POSITION:	56 . 23	BT/XBT NUMBER:	
BOTTOM DEPTH:	251 M	TIME OF TOW:	1202 HR
		DEPTH OF TOW:	233 M

TOW SPEED:	1 MPS
TYPE OF TOW:	OBLIQUE
GEAR TYPE:	BONGO .25 M2
MESH SIZE:	.351 MM
VOL. FILTERED:	213 M3
DISP. VOLUME:	
PLANKTON CONC.:	
ALIQUOT:	
S.H.F.:	10.92

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	26.	2.7	122.1	283.9
MERLUCCIUS PRODUCTUS	412.	43.1	1934.3	4499.0
MICROGADUS PROXIMUS	16.	1.7	75.1	174.7
THERAGRA CHALCOGRAMMA	503.	52.6	2361.5	5492.8
TOTAL	957.	100.0	4493.0	10450.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	17.	81.0	79.8	185.6
MERLUCCIUS PRODUCTUS	4.	19.0	18.8	43.7
TOTAL	21.	100.0	98.6	229.3

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	4.7	10.9
TOTAL	1.	100.0	4.7	10.9

TABLE: 115
CRUISE: SG 81- 2
SAMPLE NO.: 35
DATE: 6/ 3/81
VESSEL: CALIGUS
POSITION: 49 14.9 N 123 19.6 W
GRID POSITION: 53 . 23
BOTTOM DEPTH: 192 M

WIND DIRECTION: 0 DEG
WIND VELOCITY: 0 MPS
WAVE HEIGHT:
SWELL HEIGHT: 0 M
SURFACE TEMP: 7.6 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 1245 HR
DEPTH OF TOW: 191 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 171 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 11.14

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	10.	1.7	58.5	111.4
MERLUCCIUS PRODUCTUS	353.	59.4	2064.3	3932.4
MICROGADUS PROXIMUS	5.	0.8	29.2	55.7
THERAGRA CHALCOGRAMMA	226.	38.0	1321.6	2517.6
TOTAL	594.	100.0	3473.7	6617.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	9.	90.0	52.6	100.3
SCORPAENIDAE(FAMILY)	1.	10.0	5.8	11.1
TOTAL	10.	100.0	58.5	111.4

TABLE:	116	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	36	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.9 C	VOL. FILTERED:	266 M3
POSITION:	49 12.9 N 123 23.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	54 . 26	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	283 M	TIME OF TOW:	1325 HR	ALIQUOT:	
		DEPTH OF TOW:	274 M	S.H.F.:	10.30

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	57.	7.5	214.3	587.1
MERLUCCIUS PRODUCTUS	488.	64.6	1834.6	5026.4
THERAGRA CHALCOGRAMMA	210.	27.8	789.5	2163.0
TOTAL	755.	100.0	2838.3	7776.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	29.	80.6	109.0	298.7
MERLUCCIUS PRODUCTUS	7.	19.4	26.3	72.1
TOTAL	36.	100.0	135.3	370.8

TABLE:	117	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	37	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.0 C	VOL. FILTERED:	269 M3
POSITION:	49 14.6 N 123 27.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	57 . 26	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	298 M	TIME OF TOW:	1408 HR	ALIQUOT:	
		DEPTH OF TOW:	288 M	S.H.F.:	10.70

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	59.	6.9	219.3	631.3
MERLUCCIUS PRODUCTUS	587.	69.0	2182.2	6280.9
THERAGRA CHALCOGRAMMA	205.	24.1	762.1	2193.5
TOTAL	851.	100.0	3163.6	9105.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	41.	80.4	152.4	438.7
MERLUCCIUS PRODUCTUS	10.	19.6	37.2	107.0
TOTAL	51.	100.0	189.6	545.7

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.7	10.7
TOTAL	1.	100.0	3.7	10.7

TABLE:	118	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	38	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.9 C	VOL. FILTERED:	188 M3
POSITION:	48 17.7 N 123 31.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	61 . 25	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	195 M	TIME OF TOW:	1500 HR	ALIQUOT:	
		DEPTH OF TOW:	183 M	S.H.F.:	9.72

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	23.	4.1	122.3	223.6
MERLUCCIUS PRODUCTUS	203.	36.4	1079.8	1973.2
THERAGRA CHALCOGRAMMA	332.	59.5	1766.0	3227.0
TOTAL	558.	100.0	2968.1	5423.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	18.	85.7	95.7	175.0
MERLUCCIUS PRODUCTUS	1.	4.8	5.3	9.7
SCORPAENIDAE(FAMILY)	2.	9.5	10.6	19.4
TOTAL	21.	100.0	111.7	204.1

TABLE:	119	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	39	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.7 C	VOL. FILTERED:	276 M3
POSITION:	49 16.3 N 123 36.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	63 . 28	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	281 M	TIME OF TOW:	1545 HR	ALIQUOT:	
		DEPTH OF TOW:	266 M	S.H.F.:	9.66

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	40.	1.5	144.9	386.4
MERLUCCIUS PRODUCTUS	2601.	94.5	9423.9	25125.7
MICROGADUS PROXIMUS	1.	0.0	3.6	9.7
THERAGRA CHALCOGRAMMA	109.	4.0	394.9	1052.9
TOTAL	2751.	100.0	9967.4	26574.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	18.	66.7	65.2	173.9
MERLUCCIUS PRODUCTUS	5.	18.5	18.1	48.3
THERAGRA CHALCOGRAMMA	3.	11.1	10.9	29.0
SCORPAENIDAE(FAMILY)	1.	3.7	3.6	9.7
TOTAL	27.	100.0	97.8	260.8

TABLE:	120	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	40	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.7 C	VOL. FILTERED:	353 M3
POSITION:	49 15.8 N 123 40.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	65 . 30	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	378 M	TIME OF TOW:	1630 HR	ALIQUOT:	
		DEPTH OF TOW:	363 M	S.H.F.:	10.29

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	24.	1.3	68.0	247.0
MERLUCCIUS PRODUCTUS	1654.	88.4	4685.6	17019.7
THERAGRA CHALCOGRAMMA	194.	10.4	549.6	1996.3
TOTAL	1872.	100.0	5303.1	19262.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	50.	80.6	141.6	514.5
MERLUCCIUS PRODUCTUS	10.	16.1	28.3	102.9
THERAGRA CHALCOGRAMMA	2.	3.2	5.7	20.6
TOTAL	62.	100.0	175.6	638.0

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
NECTOLIPARIS PELAGICUS	1.	100.0	2.8	10.3
TOTAL	1.	100.0	2.8	10.3

TABLE:	121	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	41	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	6/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.6 C	VOL. FILTERED:	361 M3
POSITION:	49 13.3 N 123 37.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	62 . 31	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	376 M	TIME OF TOW:	1718 HR	ALIQUOT:	
		DEPTH OF TOW:	354 M	S.H.F.:	9.79

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	57.	5.8	157.9	558.0
MERLUCCIUS PRODUCTUS	621.	63.4	1720.2	6079.6
THERAGRA CHALCOGRAMMA	301.	30.7	833.8	2946.8
TOTAL	979.	100.0	2711.9	9584.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	25.	78.1	69.3	244.8
MERLUCCIUS PRODUCTUS	6.	18.8	16.6	58.7
STICHAEIDAE(FAMILY)	1.	3.1	2.8	9.8
TOTAL	32.	100.0	88.6	313.3

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	2.8	9.8
TOTAL	1.	100.0	2.8	9.8

TABLE:	122	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	42	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	7/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.8 C	VOL. FILTERED:	167 M3
POSITION:	49 10.0 N 123 41.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	62 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	159 M	TIME OF TOW:	0630 HR	ALIQUOT:	
		DEPTH OF TOW:	154 M	S.H.F.:	9.20

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	12.	6.6	71.9	110.4
MERLUCCIUS PRODUCTUS	100.	55.2	598.8	920.0
MICROGADUS PROXIMUS	4.	2.2	24.0	36.8
THERAGRA CHALCOGRAMMA	65.	35.9	389.2	598.0
TOTAL	181.	100.0	1083.8	1665.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	19.	54.3	113.8	174.8
MICROGADUS PROXIMUS	4.	11.4	24.0	36.8
SCORPAENIDAE(FAMILY)	10.	28.6	59.9	92.0
HEXAGRAMMIDAE(FAMILY)	1.	2.9	6.0	9.2
COTTIDAE(FAMILY)	1.	2.9	6.0	9.2
TOTAL	35.	100.0	209.6	322.0

TABLE:	123	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	43	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	7/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.2 C	VOL. FILTERED:	164 M3
POSITION:	49 7.7 N 123 36.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	58 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	148 M	TIME OF TOW:	0730 HR	ALIQUOT:	
		DEPTH OF TOW:	144 M	S.H.F.:	8.76

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	7.	5.9	42.7	61.3
MERLUCCIUS PRODUCTUS	67.	56.8	408.5	586.9
THERAGRA CHALCOGRAMMA	44.	37.3	268.3	385.4
TOTAL	118.	100.0	719.5	1033.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	18.	72.0	109.8	157.7
AMMODYTES HEXAPTERUS	1.	4.0	6.1	8.8
SCORPAENIDAE(FAMILY)	6.	24.0	36.6	52.6
TOTAL	25.	100.0	152.4	219.0

TABLE:	124	WIND DIRECTION:	112 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	10 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	44	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	7/ 3/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.2 C	VOL. FILTERED:	305 M3
POSITION:	49 11.6 N 123 34.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	59 . 31	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	346 M	TIME OF TOW:	0825 HR	ALIQUOT:	
		DEPTH OF TOW:	343 M	S.H.F.:	11.26

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	51.	5.8	167.2	574.3
MERLUCCIUS PRODUCTUS	550.	62.7	1803.3	6193.0
THERAGRA CHALCOGRAMMA	276.	31.5	904.9	3107.8
TOTAL	877.	100.0	2875.4	9875.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	28.	96.6	91.8	315.3
SCORPAENIDAE(FAMILY)	1.	3.4	3.3	11.3
TOTAL	29.	100.0	95.1	326.5

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.3	11.3
TOTAL	1.	100.0	3.3	11.3

TABLE:	125	WIND DIRECTION:	112 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	22 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	45	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	7/ 3/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.4 C	VOL. FILTERED:	360 M3
POSITION:	49 14.2 N 123 33.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	60 . 28	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	353 M	TIME OF TOW:	0925 HR	ALIQUOT:	
		DEPTH OF TOW:	338 M	S.H.F.:	9.40

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	65.	7.9	180.6	611.0
MERLUCCIUS PRODUCTUS	508.	61.6	1411.1	4775.2
THERAGRA CHALCOGRAMMA	252.	30.5	700.0	2368.8
TOTAL	825.	100.0	2291.7	7755.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	24.	88.9	66.7	225.6
THERAGRA CHALCOGRAMMA	1.	3.7	2.8	9.4
SCORPAENIDAE(FAMILY)	2.	7.4	5.6	18.8
TOTAL	27.	100.0	75.0	253.8

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	2.8	9.4
TOTAL	1.	100.0	2.8	9.4

TABLE:	126	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	46	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	8/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.6 C	VOL. FILTERED:	173 M3
POSITION:	49 11.3 N 123 19.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	51 . 26	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	171 M	TIME OF TOW:	0750 HR	ALIQUOT:	
		DEPTH OF TOW:	163 M	S.H.F.:	9.44

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	6.	0.7	34.7	56.6
MERLUCCIUS PRODUCTUS	346.	37.8	2000.0	3266.2
MICROGADUS PROXIMUS	5.	0.5	28.9	47.2
THERAGRA CHALCOGRAMMA	558.	61.0	3225.4	5267.5
TOTAL	915.	100.0	5289.0	8637.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	30.	90.9	173.4	283.2
AMMODYTES HEXAPTERUS	2.	6.1	11.6	18.9
SCORPAENIDAE(FAMILY)	1.	3.0	5.8	9.4
TOTAL	33.	100.0	190.8	311.5

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LYCODAPUS MANDIBULARIS	1.	100.0	5.8	9.4
TOTAL	1.	100.0	5.8	9.4

TABLE: 127
CRUISE: SG 81- 2
SAMPLE NO.: 47
DATE: 8/ 3/81
VESSEL: CALIGUS
POSITION: 49 9.9 N 123 24.7 W
GRID POSITION: 53 . 29
BOTTOM DEPTH: 229 M

WIND DIRECTION: 135 DEG
WIND VELOCITY: 4 MPS
WAVE HEIGHT:
SWELL HEIGHT: 0 M
SURFACE TEMP: 7.4 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 0830 HR
DEPTH OF TOW: 218 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 218 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 10.02

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.0	4.6	10.0
LEUROGLOSSUS STILBIUS	57.	1.9	261.5	571.1
MERLUCCIUS PRODUCTUS	2248.	76.2	10311.9	22525.0
THERAGRA CHALCOGRAMMA	646.	21.9	2963.3	6472.9
TOTAL	2952.	100.0	13541.3	29579.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	31.	81.6	142.2	310.6
MERLUCCIUS PRODUCTUS	6.	15.8	27.5	60.1
THERAGRA CHALCOGRAMMA	1.	2.6	4.6	10.0
TOTAL	38.	100.0	174.3	380.8

TABLE:	128	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	48	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	8/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.3 C	VOL. FILTERED:	285 M3
POSITION:	49 11.6 N 123 28.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	56 . 29	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	330 M	TIME OF TOW:	0915 HR	ALIQUOT:	
		DEPTH OF TOW:	320 M	S.H.F.:	11.24

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	46.	4.5	161.4	517.0
MERLUCCIUS PRODUCTUS	709.	69.3	2487.7	7969.2
THERAGRA CHALCOGRAMMA	268.	26.2	940.4	3012.3
TOTAL	1023.	100.0	3589.5	11498.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	34.	77.3	119.3	382.2
MERLUCCIUS PRODUCTUS	5.	11.4	17.5	56.2
THERAGRA CHALCOGRAMMA	3.	6.8	10.5	33.7
AMMODYTES HEXAPTERUS	2.	4.5	7.0	22.5
TOTAL	44.	100.0	154.4	494.6

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	50.0	3.5	11.2
LYCODAPUS MANDIBULARIS	1.	50.0	3.5	11.2
TOTAL	2.	100.0	7.0	22.5

TABLE:	129	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	49	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	8/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.6 C	VOL. FILTERED:	315 M3
POSITION:	49 8.5 N 123 29.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	55 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	332 M	TIME OF TOW:	1005 HR	ALIQUOT:	
		DEPTH OF TOW:	328 M	S.H.F.:	10.42

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	77.	2.3	244.4	802.3
MERLUCCIUS PRODUCTUS	2333.	70.4	7406.3	24309.9
THERAGRA CHALCOGRAMMA	903.	27.3	2866.7	9409.3
TOTAL	3313.	100.0	10517.5	34521.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	70.	94.6	222.2	729.4
MERLUCCIUS PRODUCTUS	3.	4.1	9.5	31.3
SCORPAENIDAE(FAMILY)	1.	1.4	3.2	10.4
TOTAL	74.	100.0	234.9	771.1

TABLE:	130	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	50	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	8/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.9 C	VOL. FILTERED:	236 M3
POSITION:	49 6.3 N 123 24.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	51 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	250 M	TIME OF TOW:	1100 HR	ALIQUOT:	
		DEPTH OF TOW:	245 M	S.H.F.:	10.40

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	3.	0.1	12.7	31.2
LEUROGLOSSUS STILBIUS	36.	0.9	152.5	374.4
MERLUCCIUS PRODUCTUS	2634.	66.6	11161.0	27393.6
THERAGRA CHALCOGRAMMA	1284.	32.4	5440.7	13353.6
TOTAL	3957.	100.0	16766.9	41152.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	33.	78.6	139.8	343.2
MERLUCCIUS PRODUCTUS	6.	14.3	25.4	62.4
THERAGRA CHALCOGRAMMA	1.	2.4	4.2	10.4
AMMODYTES HEXAPTERUS	1.	2.4	4.2	10.4
CYCLOPTERIDAE(FAMILY)	1.	2.4	4.2	10.4
TOTAL	42.	100.0	178.0	436.8

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	4.2	10.4
TOTAL	1.	100.0	4.2	10.4

TABLE: 131
CRUISE: SG 81- 2
SAMPLE NO.: 51
DATE: 8/ 3/81
VESSEL: CALIGUS
POSITION: 49 7.7 N 123 19.7 W
GRID POSITION: 49 . 29
BOTTOM DEPTH: 143 M

WIND DIRECTION: 135 DEG
WIND VELOCITY: 2 MPS
WAVE HEIGHT:
SWELL HEIGHT: 0 M
SURFACE TEMP: 7.8 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 1145 HR
DEPTH OF TOW: 138 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 162 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 8.54

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	2.1	49.4	68.3
MERLUCCIUS PRODUCTUS	284.	74.7	1753.1	2425.4
MICROGADUS PROXIMUS	4.	1.1	24.7	34.2
THERAGRA CHALCOGRAMMA	84.	22.1	518.5	717.4
TOTAL	380.	100.0	2345.7	3245.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	15.	71.4	92.6	128.1
MYCTOPHIDAE(FAMILY)	1.	4.8	6.2	8.5
MERLUCCIUS PRODUCTUS	2.	9.5	12.3	17.1
AMMODYTES HEXAPTERUS	2.	9.5	12.3	17.1
COTTIDAE(FAMILY)	1.	4.8	6.2	8.5
TOTAL	21.	100.0	129.6	179.3

TABLE:	132	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	52	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	8/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.5 C	VOL. FILTERED:	257 M3
POSITION:	49 3.8 N 123 21.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	48 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	227 M	TIME OF TOW:	1240 HR	ALIQUOT:	
		DEPTH OF TOW:	218 M	S.H.F.:	8.49

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	12.	0.6	46.7	101.9
MERLUCCIUS PRODUCTUS	885.	47.6	3443.6	7513.6
MICROGADUS PROXIMUS	6.	0.3	23.3	50.9
THERAGRA CHALCOGRAMMA	957.	51.5	3723.7	8124.9
TOTAL	1860.	100.0	7237.4	15791.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	21.	72.4	81.7	178.3
MERLUCCIUS PRODUCTUS	5.	17.2	19.5	42.5
THERAGRA CHALCOGRAMMA	2.	6.9	7.8	17.0
AMMODYTES HEXAPTERUS	1.	3.4	3.9	8.5
TOTAL	29.	100.0	112.8	246.2

TABLE:	133	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	53	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	8/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.7 C	VOL. FILTERED:	282 M3
POSITION:	49 3.3 N 123 26.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	50 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	306 M	TIME OF TOW:	1315 HR	ALIQUOT:	
		DEPTH OF TOW:	296 M	S.H.F.:	10.52

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	51.	1.4	180.9	536.5
MERLUCCIUS PRODUCTUS	2229.	59.4	7904.3	23449.1
MICROGADUS PROXIMUS	3.	0.1	10.6	31.6
THERAGRA CHALCOGRAMMA	1467.	39.1	5202.1	15432.8
TOTAL	3750.	100.0	13297.9	39450.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	21.	80.8	74.5	220.9
MERLUCCIUS PRODUCTUS	3.	11.5	10.6	31.6
THERAGRA CHALCOGRAMMA	2.	7.7	7.1	21.0
TOTAL	26.	100.0	92.2	273.5

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	33.3	3.5	10.5
LYCODAPUS MANDIBULARIS	1.	33.3	3.5	10.5
NECTOLIPARIS PELAGICUS	1.	33.3	3.5	10.5
TOTAL	3.	100.0	10.6	31.6

TABLE:	134	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	54	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	8/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	277 M3
POSITION:	49 4.9 N 123 29.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	53 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	310 M	TIME OF TOW:	1410 HR	ALIQUOT:	
		DEPTH OF TOW:	295 M	S.H.F.:	10.66

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	53.	1.3	191.3	565.0
MERLUCCIUS PRODUCTUS	2302.	58.5	8310.5	24539.3
THERAGRA CHALCOGRAMMA	1580.	40.2	5704.0	16842.8
TOTAL	3935.	100.0	14205.8	41947.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	28.	65.1	101.1	298.5
MERLUCCIUS PRODUCTUS	11.	25.6	39.7	117.3
THERAGRA CHALCOGRAMMA	1.	2.3	3.6	10.7
LYCODAPUS MANDIBULARIS	1.	2.3	3.6	10.7
AMMODYTES HEXAPTERUS	1.	2.3	3.6	10.7
AGONIDAE(FAMILY)	1.	2.3	3.6	10.7
TOTAL	43.	100.0	155.2	458.4

TABLE:	135	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	55	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	8/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.7 C	VOL. FILTERED:	181 M3
POSITION:	49 3.6 N 123 34.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	55 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	195 M	TIME OF TOW:	1500 HR	ALIQUOT:	
		DEPTH OF TOW:	188 M	S.H.F.:	10.36

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	9.	3.1	49.7	93.2
MERLUCCIUS PRODUCTUS	201.	69.3	1110.5	2082.4
MICROGADUS PROXIMUS	3.	1.0	16.6	31.1
THERAGRA CHALCOGRAMMA	77.	26.6	425.4	797.7
TOTAL	290.	100.0	1602.2	3004.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	12.	80.0	66.3	124.3
MERLUCCIUS PRODUCTUS	1.	6.7	5.5	10.4
STICHAEIDAE(FAMILY)	1.	6.7	5.5	10.4
AMMODYTES HEXAPTERUS	1.	6.7	5.5	10.4
TOTAL	15.	100.0	82.9	155.4

TABLE:	136	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	56	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	8/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.2 C	VOL. FILTERED:	225 M3
POSITION:	49 1.9 N 123 31.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	52 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	225 M	TIME OF TOW:	1540 HR	ALIQUOT:	
		DEPTH OF TOW:	219 M	S.H.F.:	9.73

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	13.	1.4	57.8	126.5
MERLUCCIUS PRODUCTUS	332.	36.9	1475.6	3230.4
MICROGADUS PROXIMUS	3.	0.3	13.3	29.2
THERAGRA CHALCOGRAMMA	551.	61.3	2448.9	5361.2
TOTAL	899.	100.0	3995.6	8747.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	14.	73.7	62.2	136.2
MERLUCCIUS PRODUCTUS	1.	5.3	4.4	9.7
MICROGADUS PROXIMUS	1.	5.3	4.4	9.7
THERAGRA CHALCOGRAMMA	1.	5.3	4.4	9.7
AMMODYTES HEXAPTERUS	1.	5.3	4.4	9.7
SCORPAENIDAE(FAMILY)	1.	5.3	4.4	9.7
TOTAL	19.	100.0	84.4	184.9

TABLE: 137
CRUISE: SG 81- 2
SAMPLE NO.: 57
DATE: 8/ 3/81
VESSEL: CALIGUS
POSITION: 49 0.2 N 123 27.3 W
GRID POSITION: 49 . 38
BOTTOM DEPTH: 235 M

WIND DIRECTION: 315 DEG
WIND VELOCITY: 2 MPS
WAVE HEIGHT:
SWELL HEIGHT: 0 M
SURFACE TEMP: 8.4 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 1630 HR
DEPTH OF TOW: 230 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 215 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 10.71

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	25.	0.8	116.3	267.8
MERLUCCIUS PRODUCTUS	1851.	62.3	8609.3	19824.2
MICROGADUS PROXIMUS	6.	0.2	27.9	64.3
THERAGRA CHALCOGRAMMA	1087.	36.6	5055.8	11641.8
TOTAL	2969.	100.0	13809.3	31798.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	17.	81.0	79.1	182.1
MERLUCCIUS PRODUCTUS	3.	14.3	14.0	32.1
THERAGRA CHALCOGRAMMA	1.	4.8	4.7	10.7
TOTAL	21.	100.0	97.7	224.9

TABLE:	138	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	58	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	8/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.5 C	VOL. FILTERED:	244 M3
POSITION:	49 0.2 N 123 21.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	46 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	237 M	TIME OF TOW:	1715 HR	ALIQUOT:	
		DEPTH OF TOW:	232 M	S.H.F.:	9.51

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	34.	1.3	139.3	323.3
MERLUCCIUS PRODUCTUS	1792.	70.4	7344.3	17041.9
MICROGADUS PROXIMUS	14.	0.5	57.4	133.1
THERAGRA CHALCOGRAMMA	707.	27.8	2897.5	6723.6
TOTAL	2547.	100.0	10438.5	24222.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	9.	64.3	36.9	85.6
THERAGRA CHALCOGRAMMA	1.	7.1	4.1	9.5
AMMODYTES HEXAPTERUS	2.	14.3	8.2	19.0
SCORPAENIDAE(FAMILY)	1.	7.1	4.1	9.5
COTTIDAE(FAMILY)	1.	7.1	4.1	9.5
TOTAL	14.	100.0	57.4	133.1

TABLE:	139
CRUISE:	SG 81- 2
SAMPLE NO.:	59
DATE:	8/ 3/81
VESSEL:	CALIGUS
POSITION:	48 57.7 N 123 24.4 W
GRID POSITION:	46 . 39
BOTTOM DEPTH:	203 M
WIND DIRECTION:	
WIND VELOCITY:	
WAVE HEIGHT:	
SWELL HEIGHT:	0 M
SURFACE TEMP:	8.2 C
STD NUMBER:	
BT/XBT NUMBER:	
TIME OF TOW:	1800 HR
DEPTH OF TOW:	196 M
TOW SPEED:	1 MPS
TYPE OF TOW:	OBLIQUE
GEAR TYPE:	BONGO .25 M2
MESH SIZE:	.351 MM
VOL. FILTERED:	198 M3
DISP. VOLUME:	
PLANKTON CONC.:	
ALIQUOT:	
S.H.F.:	9.88

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	11.	1.1	55.6	108.7
MERLUCCIUS PRODUCTUS	413.	42.5	2085.9	4080.4
MICROGADUS PROXIMUS	1.	0.1	5.1	9.9
THERAGRA CHALCOGRAMMA	546.	56.2	2757.6	5394.5
TOTAL	971.	100.0	4904.0	9593.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	1.	5.0	5.1	9.9
LEUROGLOSSUS STILBIUS	14.	70.0	70.7	138.3
MERLUCCIUS PRODUCTUS	1.	5.0	5.1	9.9
THERAGRA CHALCOGRAMMA	1.	5.0	5.1	9.9
AMMODYTES HEXAPTERUS	2.	10.0	10.1	19.8
SCORPAENIDAE(FAMILY)	1.	5.0	5.1	9.9
TOTAL	20.	100.0	101.0	197.6

TABLE:	140	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	60	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	8/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.2 C	VOL. FILTERED:	196 M3
POSITION:	48 55.6 N 123 21.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	43 . 39	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	179 M	TIME OF TOW:	1835 HR	ALIQUOT:	
		DEPTH OF TOW:	157 M	S.H.F.:	8.03

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	13.	1.6	66.3	104.4
MERLUCCIUS PRODUCTUS	371.	46.4	1892.9	2979.1
MICROGADUS PROXIMUS	2.	0.3	10.2	16.1
THERAGRA CHALCOGRAMMA	414.	51.8	2112.2	3324.4
TOTAL	800.	100.0	4081.6	6424.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	23.	82.1	117.3	184.7
MERLUCCIUS PRODUCTUS	1.	3.6	5.1	8.0
MICROGADUS PROXIMUS	1.	3.6	5.1	8.0
SCORPAENIDAE(FAMILY)	2.	7.1	10.2	16.1
HEXAGRAMMIDAE(FAMILY)	1.	3.6	5.1	8.0
TOTAL	28.	100.0	142.9	224.8

TABLE:	141	WIND DIRECTION:	45 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	61	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	9/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.5 C	VOL. FILTERED:	178 M3
POSITION:	48 54.4 N 123 16.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	40 . 39	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	189 M	TIME OF TOW:	0650 HR	ALIQUOT:	
		DEPTH OF TOW:	177 M	S.H.F.:	9.97

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	10.	0.5	56.2	99.7
MERLUCCIUS PRODUCTUS	845.	45.2	4747.2	8424.7
THERAGRA CHALCOGRAMMA	1012.	54.2	5685.4	10089.6
MICROSTOMUS PACIFICUS	1.	0.1	5.6	10.0
TOTAL	1868.	100.0	10494.4	18624.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	12.	60.0	67.4	119.6
MERLUCCIUS PRODUCTUS	2.	10.0	11.2	19.9
THERAGRA CHALCOGRAMMA	3.	15.0	16.9	29.9
SCORPAENIDAE(FAMILY)	2.	10.0	11.2	19.9
COTTIDAE(FAMILY)	1.	5.0	5.6	10.0
TOTAL	20.	100.0	112.4	199.4

TABLE:	142	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	62	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	9/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	7.9 C	VOL. FILTERED:	158 M3
POSITION:	48 56.0 N 123 15.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	40 . 37	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	153 M	TIME OF TOW:	0720 HR	ALIQUOT:	
		DEPTH OF TOW:	148 M	S.H.F.:	9.38

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	8.	7.5	50.6	75.0
THERAGRA CHALCOGRAMMA	98.	92.5	620.3	919.2
TOTAL	106.	100.0	670.9	994.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	47.1	50.6	75.0
MYCTOPHIDAE(FAMILY)	1.	5.9	6.3	9.4
LYCONECTES ALEUTENSIS	1.	5.9	6.3	9.4
SCORPAENIDAE(FAMILY)	7.	41.2	44.3	65.7
TOTAL	17.	100.0	107.6	159.5

TABLE:	143	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	63	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	9/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	6.6 C	VOL. FILTERED:	195 M3
POSITION:	48 57.7 N 123 18.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	43 . 37	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	192 M	TIME OF TOW:	0755 HR	ALIQUOT:	
		DEPTH OF TOW:	178 M	S.H.F.:	9.13

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	25.	1.0	128.2	228.3
MERLUCCIUS PRODUCTUS	1396.	57.4	7159.0	12745.5
THERAGRA CHALCOGRAMMA	1013.	41.6	5194.9	9248.7
TOTAL	2434.	100.0	12482.1	22222.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	16.	57.1	82.1	146.1
MICROGADUS PROXIMUS	1.	3.6	5.1	9.1
THERAGRA CHALCOGRAMMA	3.	10.7	15.4	27.4
PHOLIDAE(FAMILY)	1.	3.6	5.1	9.1
AMMODYTES HEXAPTERUS	1.	3.6	5.1	9.1
SCORPAENIDAE(FAMILY)	6.	21.4	30.8	54.8
TOTAL	28.	100.0	143.6	255.6

TABLE: 144
CRUISE: SG 81- 2
SAMPLE NO.: 64
DATE: 9/ 3/81
VESSEL: CALIGUS
POSITION: 49 1.6 N 123 16.7 W
GRID POSITION: 44 . 33
BOTTOM DEPTH: 133 M

WIND DIRECTION:
WIND VELOCITY: 0 MPS
WAVE HEIGHT:
SWELL HEIGHT:
SURFACE TEMP: 6.5 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 0840 HR
DEPTH OF TOW: 118 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 140 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 8.44

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	5.	71.4	35.7	42.2
MICROGADUS PROXIMUS	1.	14.3	7.1	8.4
THERAGRA CHALCOGRAMMA	1.	14.3	7.1	8.4
TOTAL	7.	100.0	50.0	59.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	5.	35.7	35.7	42.2
STICHAEIDAE(FAMILY)	1.	7.1	7.1	8.4
AMMODYTES HEXAPTERUS	4.	28.6	28.6	33.8
SCORPAENIDAE(FAMILY)	4.	28.6	28.6	33.8
TOTAL	14.	100.0	100.0	118.2

TABLE:	145	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	65	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	9/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	165 M3
POSITION:	48 58.2 N 123 14.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	41 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	150 M	TIME OF TOW:	0910 HR	ALIQUOT:	
		DEPTH OF TOW:	141 M	S.H.F.:	8.53

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	5.	10.9	30.3	42.6
THERAGRA CHALCOGRAMMA	41.	89.1	248.5	349.7
TOTAL	46.	100.0	278.8	392.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	5.	50.0	30.3	42.6
STICHAEIDAE(FAMILY)	1.	10.0	6.1	8.5
SCORPAENIDAE(FAMILY)	4.	40.0	24.2	34.1
TOTAL	10.	100.0	60.6	85.3

TABLE:	146	WIND DIRECTION:	45 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	66	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	9/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.2 C	VOL. FILTERED:	111 M3
POSITION:	48 56.8 N 123 8.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	37 . 34	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	112 M	TIME OF TOW:	1000 HR	ALIQUOT:	
		DEPTH OF TOW:	107 M	S.H.F.:	9.66

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MICROGADUS PROXIMUS	1.	33.3	9.0	9.7
THERAGRA CHALCOGRAMMA	2.	66.7	18.0	19.3
TOTAL	3.	100.0	27.0	29.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	4.	11.4	36.0	38.6
STICHAEIDAE(FAMILY)	2.	5.7	18.0	19.3
LYCONECTES ALEUTENSIS	1.	2.9	9.0	9.7
AMMODYTES HEXAPTERUS	5.	14.3	45.0	48.3
SCORPAENIDAE(FAMILY)	21.	60.0	189.2	202.9
COTTIDAE(FAMILY)	2.	5.7	18.0	19.3
TOTAL	35.	100.0	315.3	338.1

TABLE:	147	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	67	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	9/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.5 C	VOL. FILTERED:	129 M3
POSITION:	48 53.8 N 123 10.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	36 . 37	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	128 M	TIME OF TOW:	1035 HR	ALIQUOT:	
		DEPTH OF TOW:	123 M	S.H.F.:	9.53

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	1.9	7.8	9.5
MERLUCCIUS PRODUCTUS	20.	38.5	155.0	190.6
MICROGADUS PROXIMUS	2.	3.8	15.5	19.1
THERAGRA CHALCOGRAMMA	29.	55.8	224.8	276.4
TOTAL	52.	100.0	403.1	495.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	22.2	15.5	19.1
SCORPAENIDAE(FAMILY)	7.	77.8	54.3	66.7
TOTAL	9.	100.0	69.8	85.8

TABLE:	148	WIND DIRECTION:	45 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	68	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	9/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.6 C	VOL. FILTERED:	199 M3
POSITION:	48 52.3 N 123 13.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	37 . 39	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	207 M	TIME OF TOW:	1110 HR	ALIQUOT:	
		DEPTH OF TOW:	192 M	S.H.F.:	9.66

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	13.	0.6	65.3	125.6
MERLUCCIUS PRODUCTUS	1135.	52.9	5703.5	10964.1
MICROGADUS PROXIMUS	3.	0.1	15.1	29.0
THERAGRA CHALCOGRAMMA	996.	46.4	5005.0	9621.4
TOTAL	2147.	100.0	10788.9	20740.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	12.	38.7	60.3	115.9
MERLUCCIUS PRODUCTUS	1.	3.2	5.0	9.7
THERAGRA CHALCOGRAMMA	1.	3.2	5.0	9.7
PHOLIDAE(FAMILY)	1.	3.2	5.0	9.7
AMMODYTES HEXAPTERUS	1.	3.2	5.0	9.7
SCORPAENIDAE(FAMILY)	15.	48.4	75.4	144.9
TOTAL	31.	100.0	155.8	299.5

TABLE:	149	WIND DIRECTION:	45 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	69	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	9/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	201 M3
POSITION:	48 50.6 N 123 9.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	34 . 39	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	186 M	TIME OF TOW:	1145 HR	ALIQUOT:	
		DEPTH OF TOW:	171 M	S.H.F.:	8.51

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	13.	1.3	64.7	110.6
MERLUCCIUS PRODUCTUS	473.	48.5	2353.2	4025.2
MICROGADUS PROXIMUS	14.	1.4	69.7	119.1
THERAGRA CHALCOGRAMMA	476.	48.8	2368.2	4050.8
TOTAL	976.	100.0	4855.7	8305.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	10.0	10.0	17.0
LEUROGLOSSUS STILBIUS	10.	50.0	49.8	85.1
MERLUCCIUS PRODUCTUS	1.	5.0	5.0	8.5
THERAGRA CHALCOGRAMMA	1.	5.0	5.0	8.5
STICHAEIDAE(FAMILY)	1.	5.0	5.0	8.5
SCORPAENIDAE(FAMILY)	4.	20.0	19.9	34.0
HEXAGRAMMIDAE(FAMILY)	1.	5.0	5.0	8.5
TOTAL	20.	100.0	99.5	170.2

TABLE:	150	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	70	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	9/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.6 C	VOL. FILTERED:	167 M3
POSITION:	48 49.1 N 123 7.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	32 . 40	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	142 M	TIME OF TOW:	1215 HR	ALIQUOT:	
		DEPTH OF TOW:	127 M	S.H.F.:	7.60

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	0.4	6.0	7.6
MERLUCCIUS PRODUCTUS	51.	21.1	305.4	387.6
MICROGADUS PROXIMUS	24.	9.9	143.7	182.4
THERAGRA CHALCOGRAMMA	166.	68.6	994.0	1261.6
TOTAL	242.	100.0	1449.1	1839.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	7.	15.9	41.9	53.2
MERLUCCIUS PRODUCTUS	1.	2.3	6.0	7.6
STICHAEIDAE(FAMILY)	1.	2.3	6.0	7.6
AMMODYTES HEXAPTERUS	13.	29.5	77.8	98.8
SCORPAENIDAE(FAMILY)	17.	38.6	101.8	129.2
HEXAGRAMMIDAE(FAMILY)	1.	2.3	6.0	7.6
COTTIDAE(FAMILY)	3.	6.8	18.0	22.8
CYCLOPTERIDAE(FAMILY)	1.	2.3	6.0	7.6
TOTAL	44.	100.0	263.5	334.4

TABLE:	151	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	71	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	9/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	194 M3
POSITION:	48 49.7 N 123 5.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	31 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	191 M	TIME OF TOW:	1250 HR	ALIQUOT:	
		DEPTH OF TOW:	190 M	S.H.F.:	9.79

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	0.8	15.5	29.4
MERLUCCIUS PRODUCTUS	221.	61.2	1139.2	2163.6
THERAGRA CHALCOGRAMMA	137.	38.0	706.2	1341.2
TOTAL	361.	100.0	1860.8	3534.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
LEUROGLOSSUS STILBIUS	1.	3.2	5.2	9.8
STICHAEIDAE(FAMILY)	5.	16.1	25.8	49.0
PHOLIDAE(FAMILY)	1.	3.2	5.2	9.8
AMMODYTES HEXAPTERUS	2.	6.5	10.3	19.6
SCORPAENIDAE(FAMILY)	5.	16.1	25.8	49.0
COTTIDAE(FAMILY)	15.	48.4	77.3	146.9
CYCLOPTERIDAE(FAMILY)	1.	3.2	5.2	9.8
	1.	3.2	5.2	9.8
TOTAL	31.	100.0	159.8	303.5

TABLE:	152	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	72	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	9/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	180 M3
POSITION:	48 48.6 N 123 2.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	29 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	170 M	TIME OF TOW:	1320 HR	ALIQUOT:	
		DEPTH OF TOW:	155 M	S.H.F.:	8.59

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	61.	29.9	338.9	524.0
MICROGADUS PROXIMUS	45.	22.1	250.0	386.6
THERAGRA CHALCOGRAMMA	98.	48.0	544.4	841.8
TOTAL	204.	100.0	1133.3	1752.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
THALEICHTHYS PACIFICUS	1.	10.0	5.6	8.6
LEUROGLOSSUS STILBIUS	1.	10.0	5.6	8.6
STICHAEIDAE(FAMILY)	1.	10.0	5.6	8.6
AMMODYTES HEXAPTERUS	3.	30.0	16.7	25.8
SCORPAENIDAE(FAMILY)	2.	20.0	11.1	17.2
COTTIDAE(FAMILY)	1.	10.0	5.6	8.6
CYCLOPTERIDAE(FAMILY)	1.	10.0	5.6	8.6
TOTAL	10.	100.0	55.6	85.9

TABLE:	153	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	73	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	9/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.6 C	VOL. FILTERED:	216 M3
POSITION:	48 49.3 N 122 59.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	28 . 37	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	217 M	TIME OF TOW:	1350 HR	ALIQUOT:	
		DEPTH OF TOW:	190 M	S.H.F.:	8.79

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	5.	2.0	23.1	44.0
MERLUCCIUS PRODUCTUS	163.	63.9	754.6	1432.8
MICROGADUS PROXIMUS	12.	4.7	55.6	105.5
THERAGRA CHALCOGRAMMA	75.	29.4	347.2	659.3
TOTAL	255.	100.0	1180.6	2241.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	13.6	13.9	26.4
STICHAEIDAE(FAMILY)	2.	9.1	9.3	17.6
AMMODYTES HEXAPTERUS	3.	13.6	13.9	26.4
SCORPAENIDAE(FAMILY)	13.	59.1	60.2	114.3
CYCLOPTERIDAE(FAMILY)	1.	4.5	4.6	8.8
TOTAL	22.	100.0	101.9	193.4

TABLE:	154	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	74	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	9/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.7 C	VOL. FILTERED:	239 M3
POSITION:	48 47.4 N 122 58.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	26 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	257 M	TIME OF TOW:	1430 HR	ALIQUOT:	
		DEPTH OF TOW:	236 M	S.H.F.:	9.88

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	229.	64.3	958.2	2262.5
MICROGADUS PROXIMUS	17.	4.8	71.1	168.0
THERAGRA CHALCOGRAMMA	110.	30.9	460.3	1086.8
TOTAL	356.	100.0	1489.5	3517.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	7.7	4.2	9.9
THERAGRA CHALCOGRAMMA	1.	7.7	4.2	9.9
SCORPAENIDAE(FAMILY)	10.	76.9	41.8	98.8
COTTIDAE(FAMILY)	1.	7.7	4.2	9.9
TOTAL	13.	100.0	54.4	128.4

TABLE:	155	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	75	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	9/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	207 M3
POSITION:	48 48.5 N 122 55.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	25 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	202 M	TIME OF TOW:	1505 HR	ALIQUOT:	
		DEPTH OF TOW:	187 M	S.H.F.:	9.05

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	5.	1.4	24.2	45.3
MERLUCCIUS PRODUCTUS	232.	67.1	1120.8	2099.6
MICROGADUS PROXIMUS	45.	13.0	217.4	407.3
THERAGRA CHALCOGRAMMA	64.	18.5	309.2	579.2
TOTAL	346.	100.0	1671.5	3131.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	21.4	14.5	27.2
MICROGADUS PROXIMUS	1.	7.1	4.8	9.1
SCORPAENIDAE(FAMILY)	8.	57.1	38.6	72.4
COTTIDAE(FAMILY)	1.	7.1	4.8	9.1
CYCLOPTERIDAE(FAMILY)	1.	7.1	4.8	9.1
TOTAL	14.	100.0	67.6	126.7

TABLE:	156	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	76	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	9/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.7 C	VOL. FILTERED:	206 M3
POSITION:	48 50.7 N 122 54.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	26 . 34	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	183 M	TIME OF TOW:	1535 HR	ALIQUOT:	
		DEPTH OF TOW:	164 M	S.H.F.:	7.97

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	1.2	14.6	23.9
MERLUCCIUS PRODUCTUS	148.	57.8	718.4	1179.6
MICROGADUS PROXIMUS	45.	17.6	218.4	358.6
THERAGRA CHALCOGRAMMA	60.	23.4	291.3	478.2
TOTAL	256.	100.0	1242.7	2040.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	15.4	9.7	15.9
THERAGRA CHALCOGRAMMA	1.	7.7	4.9	8.0
STICHAEIDAE(FAMILY)	2.	15.4	9.7	15.9
AMMODYTES HEXAPTERUS	1.	7.7	4.9	8.0
SCORPAENIDAE(FAMILY)	7.	53.8	34.0	55.8
TOTAL	13.	100.0	63.1	103.6

TABLE: 157
CRUISE: SG 81- 2
SAMPLE NO.: 77
DATE: 9/ 3/81
VESSEL: CALIGUS
POSITION: 48 51.7 N 122 58.4 W
GRID POSITION: 28 . 34
BOTTOM DEPTH: 211 M

WIND DIRECTION: 315 DEG
WIND VELOCITY: 2 MPS
WAVE HEIGHT:
SWELL HEIGHT:
SURFACE TEMP: 8.5 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 1610 HR
DEPTH OF TOW: 206 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 196 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 10.52

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	0.7	5.1	10.5
MERLUCCIUS PRODUCTUS	89.	61.8	454.1	936.3
MICROGADUS PROXIMUS	12.	8.3	61.2	126.2
THERAGRA CHALCOGRAMMA	42.	29.2	214.3	441.8
TOTAL	144.	100.0	734.7	1514.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	14.3	15.3	31.6
LYCONECTES ALEUTENSIS	1.	4.8	5.1	10.5
AMMODYTES HEXAPTERUS	4.	19.0	20.4	42.1
SCORPAENIDAE(FAMILY)	11.	52.4	56.1	115.7
CYCLOPTERIDAE(FAMILY)	1.	4.8	5.1	10.5
INOPSETTA ISCHYRA	1.	4.8	5.1	10.5
TOTAL	21.	100.0	107.1	220.9

TABLE:	158	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	78	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	9/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.5 C	VOL. FILTERED:	124 M3
POSITION:	48 54.0 N 122 56.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	29 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	122 M	TIME OF TOW:	1635 HR	ALIQUOT:	
		DEPTH OF TOW:	111 M	S.H.F.:	8.99

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	11.	28.9	88.7	98.9
MICROGADUS PROXIMUS	11.	28.9	88.7	98.9
THERAGRA CHALCOGRAMMA	16.	42.1	129.0	143.8
TOTAL	38.	100.0	306.5	341.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	14.3	8.1	9.0
AMMODYTES HEXAPTERUS	3.	42.9	24.2	27.0
SCORPAENIDAE(FAMILY)	1.	14.3	8.1	9.0
COTTIDAE(FAMILY)	1.	14.3	8.1	9.0
CYCLOPTERIDAE(FAMILY)	1.	14.3	8.1	9.0
TOTAL	7.	100.0	56.5	62.9

TABLE:	159	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	79	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	9/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.5 C	VOL. FILTERED:	131 M3
POSITION:	48 55.4 N 123 2.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	33 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	127 M	TIME OF TOW:	1715 HR	ALIQUOT:	
		DEPTH OF TOW:	122 M	S.H.F.:	9.31

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	24.	72.7	183.2	223.4
THERAGRA CHALCOGRAMMA	9.	27.3	68.7	83.8
TOTAL	33.	100.0	251.9	307.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	20.0	7.6	9.3
STICHAEIDAE(FAMILY)	1.	20.0	7.6	9.3
AMMODYTES HEXAPTERUS	1.	20.0	7.6	9.3
SCORPAENIDAE(FAMILY)	1.	20.0	7.6	9.3
CYCLOPTERIDAE(FAMILY)	1.	20.0	7.6	9.3
TOTAL	5.	100.0	38.2	46.6

TABLE:	160	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 2	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	80	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	9/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.5 C	VOL. FILTERED:	202 M3
POSITION:	48 51.8 N 123 2.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	31 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	164 M	TIME OF TOW:	1745 HR	ALIQUOT:	
		DEPTH OF TOW:	141 M	S.H.F.:	6.97

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	1.2	9.9	13.9
MERLUCCIUS PRODUCTUS	101.	62.0	500.0	704.0
MICROGADUS PROXIMUS	16.	9.8	79.2	111.5
THERAGRA CHALCOGRAMMA	44.	27.0	217.8	306.7
TOTAL	163.	100.0	806.9	1136.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	5.	15.2	24.8	34.8
THERAGRA CHALCOGRAMMA	2.	6.1	9.9	13.9
AMMODYTES HEXAPTERUS	3.	9.1	14.9	20.9
SCORPAENIDAE(FAMILY)	23.	69.7	113.9	160.3
TOTAL	33.	100.0	163.4	230.0

TABLE:	161	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	1	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	16/ 3/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	283 M3
POSITION:	49 15.8 N 123 57.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	74 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	310 M	TIME OF TOW:	0651 HR	ALIQUOT:	
		DEPTH OF TOW:	292 M	S.H.F.:	10.34

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	38.	4.4	134.3	392.9
MERLUCCIUS PRODUCTUS	745.	86.3	2632.5	7703.3
THERAGRA CHALCOGRAMMA	76.	8.8	268.6	785.8
MICROSTOMUS PACIFICUS	4.	0.5	14.1	41.4
TOTAL	863.	100.0	3049.5	8923.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	30.	73.2	106.0	310.2
MERLUCCIUS PRODUCTUS	8.	19.5	28.3	82.7
THERAGRA CHALCOGRAMMA	2.	4.9	7.1	20.7
SCORPAENIDAE(FAMILY)	1.	2.4	3.5	10.3
TOTAL	41.	100.0	144.9	423.9

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.5	10.3
TOTAL	1.	100.0	3.5	10.3

TABLE:	162	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	9 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	2	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	16/ 3/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.6 C	VOL. FILTERED:	345 M3
POSITION:	49 18.6 N 123 58.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	76 . 34	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	409 M	TIME OF TOW:	0748 HR	ALIQUOT:	
		DEPTH OF TOW:	373 M	S.H.F.:	10.81

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	46.	3.4	133.3	497.3
MERLUCCIUS PRODUCTUS	1209.	89.9	3504.3	13069.3
THERAGRA CHALCOGRAMMA	83.	6.2	240.6	897.2
LYOPSETTA EXILIS	1.	0.1	2.9	10.8
MICROSTOMUS PACIFICUS	6.	0.4	17.4	64.9
TOTAL	1345.	100.0	3898.6	14539.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	24.	66.7	69.6	259.4
MERLUCCIUS PRODUCTUS	7.	19.4	20.3	75.7
THERAGRA CHALCOGRAMMA	4.	11.1	11.6	43.2
SCORPAENIDAE(FAMILY)	1.	2.8	2.9	10.8
TOTAL	36.	100.0	104.3	389.2

TABLE:	163	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	8 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	3	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	16/ 3/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.6 C	VOL. FILTERED:	268 M3
POSITION:	49 18.2 N 124 4.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	79 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	285 M	TIME OF TOW:	0852 HR	ALIQUOT:	
		DEPTH OF TOW:	267 M	S.H.F.:	9.96

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.2	3.7	10.0
LEUROGLOSSUS STILBIUS	21.	3.4	78.4	209.2
MERLUCCIUS PRODUCTUS	558.	91.6	2082.1	5557.7
THERAGRA CHALCOGRAMMA	29.	4.8	108.2	288.8
TOTAL	609.	100.0	2272.4	6065.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	5.	22.7	18.7	49.8
MERLUCCIUS PRODUCTUS	8.	36.4	29.9	79.7
THERAGRA CHALCOGRAMMA	7.	31.8	26.1	69.7
SCORPAENIDAE(FAMILY)	1.	4.5	3.7	10.0
COTTIDAE(FAMILY)	1.	4.5	3.7	10.0
TOTAL	22.	100.0	82.1	219.1

TABLE:	164	WIND DIRECTION:	45 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	4	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.6 C	VOL. FILTERED:	349 M3
POSITION:	49 18.3 N 123 54.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	74 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	410 M	TIME OF TOW:	0615 HR	ALIQUOT:	
		DEPTH OF TOW:	365 M	S.H.F.:	10.47

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	59.	8.6	169.1	617.7
MERLUCCIUS PRODUCTUS	446.	65.1	1277.9	4669.6
THERAGRA CHALCOGRAMMA	175.	25.5	501.4	1832.3
MICROSTOMUS PACIFICUS	5.	0.7	14.3	52.4
TOTAL	685.	100.0	1962.8	7172.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	45.	71.4	128.9	471.2
MERLUCCIUS PRODUCTUS	12.	19.0	34.4	125.6
THERAGRA CHALCOGRAMMA	3.	4.8	8.6	31.4
AMMODYTES HEXAPTERUS	1.	1.6	2.9	10.5
SCORPAENIDAE(FAMILY)	2.	3.2	5.7	20.9
TOTAL	63.	100.0	180.5	659.6

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	66.7	5.7	20.9
STENOBRACHIUS LEUCOPSARUS	1.	33.3	2.9	10.5
TOTAL	3.	100.0	8.6	31.4

TABLE:	165	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	5	WAVE HEIGHT:		GEAR TYPE:	BONGO 25 M2
DATE:	17/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.3 C	VOL. FILTERED:	215 M3
POSITION:	49 21.4 N 123 58.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	78 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	245 M	TIME OF TOW:	0710 HR	ALIQUOT:	
		DEPTH OF TOW:	225 M	S.H.F.:	10.47

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	44.	6.3	204.7	460.7
MERLUCCIUS PRODUCTUS	535.	76.6	2488.4	5601.5
THERAGRA CHALCOGRAMMA	119.	17.0	553.5	1245.9
TOTAL	698.	100.0	3246.5	7308.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
CLUPEA HARENGUS	1.	1.4	4.7	10.5
LEUROGLOSSUS STILBIUS	1.	1.4	4.7	10.5
MERLUCCIUS PRODUCTUS	49.	68.1	227.9	513.0
THERAGRA CHALCOGRAMMA	12.	16.7	55.8	125.6
BROSMOPHYCIS MARGINATA	7.	9.7	32.6	73.3
SCORPAENIDAE(FAMILY)	1.	1.4	4.7	10.5
	1.	1.4	4.7	10.5
TOTAL	72.	100.0	334.9	753.8

TABLE:	166	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	6	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.9 C	VOL. FILTERED:	354 M3
POSITION:	49 20.3 N 124 1.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	79 . 34	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	405 M	TIME OF TOW:	0745 HR	ALIQUOT:	
		DEPTH OF TOW:	372 M	S.H.F.:	10.51

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	27.	3.2	76.3	283.8
MERLUCCIUS PRODUCTUS	804.	95.1	2271.2	8450.0
THERAGRA CHALCOGRAMMA	12.	1.4	33.9	126.1
LYOPSETTA EXILIS	1.	0.1	2.8	10.5
MICROSTOMUS PACIFICUS	1.	0.1	2.8	10.5
TOTAL	845.	100.0	2387.0	8881.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	29.	87.9	81.9	304.8
MERLUCCIUS PRODUCTUS	2.	6.1	5.6	21.0
THERAGRA CHALCOGRAMMA	2.	6.1	5.6	21.0
TOTAL	33.	100.0	93.2	346.8

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	2.8	10.5
TOTAL	1.	100.0	2.8	10.5

TABLE: 167
CRUISE: SG 81- 3
SAMPLE NO.: 7
DATE: 17/ 3/81
VESSEL: CALIGUS
POSITION: 49 20.3 N 124 7.4 W
GRID POSITION: 82 . 36
BOTTOM DEPTH: 384 M

WIND DIRECTION: 315 DEG
WIND VELOCITY: 2 MPS
WAVE HEIGHT:
SWELL HEIGHT.
SURFACE TEMP: 8.5 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 0835 HR
DEPTH OF TOW: 384 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 357 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 10.74

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.2	2.8	10.7
LEUROGLOSSUS STILBIUS	18.	3.3	50.4	193.3
MERLUCCIUS PRODUCTUS	511.	94.8	1431.4	5488.1
THERAGRA CHALCOGRAMMA	9.	1.7	25.2	96.7
TOTAL	539.	100.0	1509.8	5788.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	5.	55.6	14.0	53.7
MYCTOPHIDAE(FAMILY)	1.	11.1	2.8	10.7
THERAGRA CHALCOGRAMMA	2.	22.2	5.6	21.5
LYCODAPUS MANDIBULARIS	1.	11.1	2.8	10.7
TOTAL	9.	100.0	25.2	96.7

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	50.0	2.8	10.7
LYCODAPUS MANDIBULARIS	1.	50.0	2.8	10.7
TOTAL	2.	100.0	5.6	21.5

TABLE:	168	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	8	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.7 C	VOL. FILTERED:	334 M3
POSITION:	49 22.8 N 124 10.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	85 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	347 M	TIME OF TOW:	0930 HR	ALIQUOT:	
		DEPTH OF TOW:	326 M	S.H.F.:	9.76

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	22.	4.6	65.9	214.7
MERLUCCIUS PRODUCTUS	448.	93.9	1341.3	4372.5
MICROGADUS PROXIMUS	1.	0.2	3.0	9.8
THERAGRA CHALCOGRAMMA	4.	0.8	12.0	39.0
LYOPSETTA EXILIS	1.	0.2	3.0	9.8
MICROSTOMUS PACIFICUS	1.	0.2	3.0	9.8
TOTAL	477.	100.0	1428.1	4655.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	39.	76.5	116.8	380.6
MERLUCCIUS PRODUCTUS	6.	11.8	18.0	58.6
SCORPAENIDAE(FAMILY)	6.	11.8	18.0	58.6
TOTAL	51.	100.0	152.7	497.8

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	50.0	6.0	19.5
LYCODAPUS MANDIBULARIS	2.	50.0	6.0	19.5
TOTAL	4.	100.0	12.0	39.0

TABLE:	169	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	9	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.5 C	VOL. FILTERED:	218 M3
POSITION:	49 22.8 N 124 4.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	82 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	248 M	TIME OF TOW:	1020 HR	ALIQUOT:	
		DEPTH OF TOW:	248 M	S.H.F.:	11.40

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	26.	2.9	119.3	296.4
MERLUCCIUS PRODUCTUS	829.	93.5	3802.8	9450.6
THERAGRA CHALCOGRAMMA	31.	3.5	142.2	353.4
MICROSTOMUS PACIFICUS	1.	0.1	4.6	11.4
TOTAL	887.	100.0	4068.8	10111.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	20.	76.9	91.7	228.0
MERLUCCIUS PRODUCTUS	6.	23.1	27.5	68.4
TOTAL	26.	100.0	119.3	296.4

TABLE:	170	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	10	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.1 C	VOL. FILTERED:	291 M3
POSITION:	49 25.6 N 124 5.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	84 . 31	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	332 M	TIME OF TOW:	1100 HR	ALIQUOT:	
		DEPTH OF TOW:	304 M	S.H.F.:	10.47

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	25.	3.4	85.9	261.8
MERLUCCIUS PRODUCTUS	696.	95.9	2391.8	7287.1
THERAGRA CHALCOGRAMMA	5.	0.7	17.2	52.4
TOTAL	726.	100.0	2494.8	7601.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	23.	82.1	79.0	240.8
GADUS MACROCEPHALUS	1.	3.6	3.4	10.5
MERLUCCIUS PRODUCTUS	1.	3.6	3.4	10.5
SCORPAENIDAE(FAMILY)	3.	10.7	10.3	31.4
TOTAL	28.	100.0	96.2	293.2

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	100.0	10.3	31.4
TOTAL	3.	100.0	10.3	31.4

TABLE:	171	WIND DIRECTION:	270 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	11	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	331 M3
POSITION:	49 28.0 N 124 3.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	84 . 28	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	332 M	TIME OF TOW:	1145 HR	ALIQUOT:	
		DEPTH OF TOW:	294 M	S.H.F.:	8.89

EGGS	TOTAL NUMBER	TAXA PCT	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	38.	2.3	114.8	337.8
MERLUCCIUS PRODUCTUS	1482.	90.4	4477.3	13175.0
THERAGRA CHALCOGRAMMA	119	7.3	359.5	1057.9
TOTAL	1639.	100.0	4951.7	14570.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	46.	63.0	139.0	408.9
MERLUCCIUS PRODUCTUS	23.	31.5	69.5	204.5
THERAGRA CHALCOGRAMMA	4.	5.5	12.1	35.6
TOTAL	73.	100.0	220.5	649.0

TABLE:	172	WIND DIRECTION:	270 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	12	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.9 C	VOL. FILTERED:	183 M3
POSITION:	49 27.2 N 123 58.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	81 . 27	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	198 M	TIME OF TOW:	1235 HR	ALIQUOT:	
		DEPTH OF TOW:	183 M	S.H.F.:	10.02

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	7.	1.4	38.3	70.1
MERLUCCIUS PRODUCTUS	473.	95.7	2584.7	4739.5
THERAGRA CHALCOGRAMMA	14.	2.8	76.5	140.3
TOTAL	494.	100.0	2699.5	4949.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	13.	48.1	71.0	130.3
MERLUCCIUS PRODUCTUS	8.	29.6	43.7	80.2
THERAGRA CHALCOGRAMMA	6.	22.2	32.8	60.1
TOTAL	27.	100.0	147.5	270.5

TABLE:	173	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	13	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	364 M3
POSITION:	49 24.7 N 124 1.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	81 . 30	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	398 M	TIME OF TOW:	1315 HR	ALIQUOT:	
		DEPTH OF TOW:	352 M	S.H.F.:	9.66

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	57.	5.4	156.6	550.6
MERLUCCIUS PRODUCTUS	898.	85.7	2467.0	8674.7
THERAGRA CHALCOGRAMMA	90.	8.6	247.3	869.4
MICROSTOMUS PACIFICUS	3.	0.3	8.2	29.0
TOTAL	1048.	100.0	2879.1	10123.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	45.	81.8	123.6	434.7
MERLUCCIUS PRODUCTUS	8.	14.5	22.0	77.3
THERAGRA CHALCOGRAMMA	2.	3.6	5.5	19.3
TOTAL	55.	100.0	151.1	531.3

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	2.7	9.7
TOTAL	1.	100 0	2.7	9.7

TABLE:	174	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	14	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.9 C	VOL. FILTERED:	310 M3
POSITION:	49 23.9 N 123 56.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	78 . 29	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	330 M	TIME OF TOW:	1405 HR	ALIQUOT:	
		DEPTH OF TOW:	313 M	S.H.F.:	10.09

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	47.	2.2	151.6	474.2
MERLUCCIUS PRODUCTUS	1557.	74.2	5022.6	15710.1
THERAGRA CHALCOGRAMMA	493.	23.5	1590.3	4974.4
TOTAL	2097.	100.0	6764.5	21158.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	76.	76.0	245.2	766.8
MERLUCCIUS PRODUCTUS	21.	21.0	67.7	211.9
AMMODYTES HEXAPTERUS	1.	1.0	3.2	10.1
SCORPAENIDAE(FAMILY)	2.	2.0	6.5	20.2
TOTAL	100.	100.0	322.6	1009.0

TABLE:	175	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	15	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.1 C	VOL. FILTERED:	362 M3
POSITION:	49 21.4 N 123 53.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	75 . 30	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	435 M	TIME OF TOW:	1450 HR	ALIQUOT:	
		DFPTH OF TOW:	408 M	S.H.F.:	11.27

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	59.	3.3	163.0	664.9
MERLUCCIUS PRODUCTUS	1427.	80.3	3942.0	16082.3
THERAGRA CHALCOGRAMMA	289.	16.3	798.3	3257.0
MICROSTOMUS PACIFICUS	1.	0.1	2.8	11.3
TOTAL	1776.	100.0	4906.1	20015.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	28.	53.8	77.3	315.6
GADUS MACROCEPHALUS	1.	1.9	2.8	11.3
MERLUCCIUS PRODUCTUS	5.	28.8	41.4	169.1
THERAGRA CHALCOGRAMMA	4.	7.7	11.0	45.1
BROSMOPHYCIS MARGINATA	1.	1.9	2.8	11.3
LYCODAPUS MANDIBULARIS	1.	1.9	2.8	11.3
SCORPAENIDAE(FAMILY)	1.	1.9	2.8	11.3
MICROSTOMUS PACIFICUS	1.	1.9	2.8	11.3
TOTAL	52.	100.0	143.6	586.0

TABLE:	176	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	16	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.2 C	VOL. FILTERED:	371 M3
POSITION:	49 19.7 N 123 49.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	72 . 30	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	409 M	TIME OF TOW:	1540 HR	ALIQUOT:	
		DEPTH OF TOW:	387 M	S.H.F.:	10.44

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	81.	7.0	218.3	845.6
MERLUCCIUS PRODUCTUS	765.	66.6	2062.0	7986.6
MICROGADUS PROXIMUS	4.	0.3	10.8	41.8
THERAGRA CHALCOGRAMMA	299.	26.0	805.9	3121.6
TOTAL	1149.	100.0	3097.0	11995.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	40.	47.6	107.8	417.6
MERLUCCIUS PRODUCTUS	37.	44.0	99.7	386.3
THERAGRA CHALCOGRAMMA	7.	8.3	18.9	73.1
TOTAL	84.	100.0	226.4	877.0

TABLE:	177	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	17	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	17/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	382 M3
POSITION:	49 16.6 N 123 50.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	71 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	405 M	TIME OF TOW:	1630 HR	ALIQUOT:	
		DEPTH OF TOW:	390 M	S.H.F.:	10.22

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	15.	1.1	39.3	153.3
LEUROGLOSSUS STILBIUS	56.	4.0	146.6	572.3
MERLUCCIUS PRODUCTUS	1099.	78.1	2877.0	11231.8
THERAGRA CHALCOGRAMMA	232.	16.5	607.3	2371.0
MICROSTOMUS PACIFICUS	6.	0.4	15.7	61.3
TOTAL	1408.	100.0	3685.9	14389.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	48.	63.2	125.7	490.6
MERLUCCIUS PRODUCTUS	22.	28.9	57.6	224.8
THERAGRA CHALCOGRAMMA	5.	6.6	13.1	51.1
SCORPAENIDAE(FAMILY)	1.	1.3	2.6	10.2
TOTAL	76.	100.0	199.0	776.7

TABLE: 178	WIND DIRECTION: 315 DEG	TOW SPEED: 1 MPS
CRUISE: SG 81- 3	WIND VELOCITY: 2 MPS	TYPE OF TOW: OBLIQUE
SAMPLE NO.: 18	WAVE HEIGHT:	GEAR TYPE: BONGO .25 M2
DATE: 17/ 3/81	SWELL HEIGHT:	MESH SIZE: .351 MM
VESSEL: CALIGUS	SURFACE TEMP: 8.9 C	VOL. FILTERED: 194 M3
POSITION: 49 14.2 N 123 53.5 W	STD NUMBER:	DISP. VOLUME:
GRID POSITION: 71 . 36	BT/XBT NUMBER:	PLANKTON CONC.:
BOTTOM DEPTH: 197 M	TIME OF TOW: 1725 HR	ALIQUOT:
	DEPTH OF TOW: 179 M	S.H.F.: 9.22

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
LEUROGLOSSUS STILBIUS	2.	0.1	10.3	18.4
MERLUCCIUS PRODUCTUS	14.	0.9	72.2	129.1
THERAGRA CHALCOGRAMMA	1587.	98.7	8180.4	14632.1
MICROSTOMUS PACIFICUS	4.	0.2	20.6	36.9
	1.	0.1	5.2	9.2
TOTAL	1608.	100.0	8288.7	14825.8

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	16.	69.6	82.5	147.5
MERLUCCIUS PRODUCTUS	4.	17.4	20.6	36.9
THERAGRA CHALCOGRAMMA	2.	8.7	10.3	18.4
SCORPAENIDAE(FAMILY)	1.	4.3	5.2	9.2
TOTAL	23.	100.0	118.6	212.1

TABLE: 179
CRUISE: SG 81- 3
SAMPLE NO.: 19
DATE: 18/ 3/81
VESSEL: CALIGUS
POSITION: 49 13.3 N 123 48.8 W
GRID POSITION: 68 . 35
BOTTOM DEPTH: 203 M

WIND DIRECTION: 315 DEG
WIND VELOCITY: 3 MPS
WAVE HEIGHT:
SWELL HEIGHT:
SURFACE TEMP: 8.5 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 0620 HR
DEPTH OF TOW: 200 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 190 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 10.50

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	11.	1.4	57.9	115.5
MERLUCCIUS PRODUCTUS	732.	93.4	3852.6	7686.0
THERAGRA CHALCOGRAMMA	39.	5.0	205.3	409.5
LYOPSETTA EXILIS	1.	0.1	5.3	10.5
MICROSTOMUS PACIFICUS	1.	0.1	5.3	10.5
TOTAL	784.	100.0	4126.3	8232.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	29.	87.9	152.6	304.5
MERLUCCIUS PRODUCTUS	3.	9.1	15.8	31.5
THERAGRA CHALCOGRAMMA	1.	3.0	5.3	10.5
TOTAL	33.	100.0	173.7	346.5

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LYCODAPUS MANDIBULARIS	1.	100.0	5.3	10.5
TOTAL	1.	100.0	5.3	10.5

TABLE:	180	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	20	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.5 C	VOL. FILTERED:	341 M3
POSITION:	49 13.3 N 123 43.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	65 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	393 M	TIME OF TOW:	0705 HR	ALIQUOT:	
		DEPTH OF TOW:	365 M	S.H.F.:	10.71

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	42.	3.6	123.2	449.8
MERLUCCIUS PRODUCTUS	849.	72.4	2489.7	9092.8
THERAGRA CHALCOGRAMMA	278.	23.7	815.2	2977.4
MICROSTOMUS PACIFICUS	4.	0.3	11.7	42.8
TOTAL	1173.	100.0	3439.9	12562.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	24.	60.0	70.4	257.0
MERLUCCIUS PRODUCTUS	11.	27.5	32.3	117.8
THERAGRA CHALCOGRAMMA	4.	10.0	11.7	42.8
SCORPAENIDAE(FAMILY)	1.	2.5	2.9	10.7
TOTAL	40.	100.0	117.3	428.4

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	66.7	5.9	21.4
LYCODAPUS MANDIBULARIS	1.	33.3	2.9	10.7
TOTAL	3.	100.0	8.8	32.1

TABLE:	181	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	6 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	21	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	360 M3
POSITION:	49 15.8 N 123 46.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	68 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	400 M	TIME OF TOW:	0810 HR	ALIQUOT:	
		DEPTH OF TOW:	377 M	S.H.F.:	12.32

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	48.	2.5	133.3	591.4
MERLUCCIUS PRODUCTUS	1446.	75.6	4016.7	17814.7
THERAGRA CHALCOGRAMMA	417.	21.8	1158.3	5137.4
MICROSTOMUS PACIFICUS	1.	0.1	2.8	12.3
TOTAL	1912.	100.0	5311.1	23555.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	27.	65.9	75.0	332.6
MERLUCCIUS PRODUCTUS	11.	26.8	30.6	135.5
THERAGRA CHALCOGRAMMA	1.	2.4	2.8	12.3
SCORPAENIDAE(FAMILY)	2.	4.9	5.6	24.6
TOTAL	41.	100.0	113.9	505.1

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	2.8	12.3
TOTAL	1.	100.0	2.8	12.3

TABLE:	182	WIND DIRECTION:	315 DEG
CRUISE:	SG 81- 3	WIND VELOCITY:	6 MPS
SAMPLE NO.:	22	WAVE HEIGHT:	
DATE:	18/ 3/81	SWELL HEIGHT:	
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C
POSITION:	49 18.8 N 123 45.0 W	STD NUMBER:	
GRID POSITION:	69 . 29	BT/XBT NUMBER:	
BOTTOM DEPTH:	329 M	TIME OF TOW:	0905 HR
		DEPTH OF TOW:	314 M

TOW SPEED:	1 MPS
TYPE OF TOW:	OBLIQUE
GEAR TYPE:	BONGO .25 M2
MESH SIZE:	.351 MM
VOL. FILTERED:	307 M3
DISP. VOLUME:	
PLANKTON CONC.:	
ALIQUOT:	
S.H.F.:	10.22

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.0	3.3	10.2
LEUROGLOSSUS STILBIUS	69.	2.5	224.8	705.2
MERLUCCIUS PRODUCTUS	1527.	56.3	4973.9	15605.9
THERAGRA CHALCOGRAMMA	1117.	41.2	3638.4	11415.7
TOTAL	2714.	100.0	8840.4	27737.1

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	36.	36.7	117.3	367.9
MERLUCCIUS PRODUCTUS	53.	54.1	172.6	541.7
THERAGRA CHALCOGRAMMA	9.	9.2	29.3	92.0
TOTAL	98.	100.0	319.2	1001.6

TABLE:	183	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	23	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.1 C	VOL FILTERED:	185 M3
POSITION:	49 22.2 N 123 47.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	72 . 27	BT/XBT NUMBER:		PLANKTON CONC.	
BOTTOM DEPTH:	185 M	TIME OF TOW:	1000 HR	ALIQUOT:	
		DEPTH OF TOW:	185 M	S.H.F.:	9.98

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	66.	1.3	356.8	658.7
MERLUCCIUS PRODUCTUS	3178.	61.6	17178.4	31716.4
THERAGRA CHALCOGRAMMA	1911.	37.1	10329.7	19071.8
TOTAL	5155.	100.0	27864.9	51446.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	72.7	43.2	79.8
MERLUCCIUS PRODUCTUS	3.	27.3	16.2	29.9
TOTAL	11.	100.0	59.5	109.8

TABLE: 184	WIND DIRECTION: 315 DEG	TOW SPEED: 1 MPS
CRUISE: SG 81- 3	WIND VELOCITY: 6 MPS	TYPE OF TOW: OBLIQUE
SAMPLE NO.: 24	WAVE HEIGHT:	GEAR TYPE: BONGO .25 M2
DATE: 18/ 3/81	SWELL HEIGHT: 0 M	MESH SIZE: .351 MM
VESSEL: CALIGUS	SURFACE TEMP: 9.0 C	VOL. FILTERED: 181 M3
POSITION: 49 24.4 N 123 52.1 W	STD NUMBER:	DISP. VOLUME:
GRID POSITION: 76 . 27	BT/XBT NUMBER:	PLANKTON CONC.:
BOTTOM DEPTH: 189 M	TIME OF TOW: 1055 HR	ALIQUOT:
	DEPTH OF TOW: 175 M	S.H.F.: 9.67

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.1	5.5	9.7
LEUROGLOSSUS STILBIUS	13.	0.9	71.8	125.7
MERLUCCIUS PRODUCTUS	731.	52.3	4038.7	7068.8
THERAGRA CHALCOGRAMMA	653.	46.7	3607.7	6314.5
TOTAL	1398.	100.0	7723.8	13518.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	25.	78.1	138.1	241.8
MERLUCCIUS PRODUCTUS	3.	9.4	16.6	29.0
THERAGRA CHALCOGRAMMA	2.	6.3	11.0	19.3
SCORPAENIDAE(FAMILY)	1.	3.1	5.5	9.7
MICROSTOMUS PACIFICUS	1.	3.1	5.5	9.7
TOTAL	32.	100.0	176.8	309.4

TABLE:	185	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	25	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	201 M3
POSITION:	49 27.2 N 123 52.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	78 . 25	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	208 M	TIME OF TOW:	1130 HR	ALIQUOT:	
		DEPTH OF TOW:	199 M	S.H.F.:	9.93

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	0.7	14.9	29.8
MERLUCCIUS PRODUCTUS	339.	75.5	1686.6	3366.3
MICROGADUS PROXIMUS	2.	0.4	10.0	19.9
THERAGRA CHALCOGRAMMA	102.	22.7	507.5	1012.9
LYOPSETTA EXILIS	3.	0.7	14.9	29.8
TOTAL	449.	100.0	2233.8	4458.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	17.	43.6	84.6	168.8
MERLUCCIUS PRODUCTUS	5.	12.8	24.9	49.7
THERAGRA CHALCOGRAMMA	15.	38.5	74.6	149.0
SCORPAENIDAE(FAMILY)	2.	5.1	10.0	19.9
TOTAL	39.	100.0	194.0	387.3

TABLE:	186	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	26	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	155 M3
POSITION:	49 25.2 N 123 45.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	73 . 24	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	165 M	TIME OF TOW:	1230 HR	ALIQUOT:	
		DEPTH OF TOW:	156 M	S.H.F.:	10.04

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES				
LEUROGLOSSUS STILBIUS	1.	0.5	6.5	10.0
MERLUCCIUS PRODUCTUS	2.	0.9	12.9	20.1
MICROGADUS PROXIMUS	29.	13.7	187.1	291.2
THERAGRA CHALCOGRAMMA	1.	0.5	6.5	10.0
MICROSTOMUS PACIFICUS	177.	83.9	1141.9	1777.1
	1.	0.5	6.5	10.0
TOTAL	211.	100.0	1361.3	2118.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	47.	92.2	303.2	471.9
MERLUCCIUS PRODUCTUS	1.	2.0	6.5	10.0
MICROGADUS PROXIMUS	1.	2.0	6.5	10.0
THERAGRA CHALCOGRAMMA	1.	2.0	6.5	10.0
SCORPAENIDAE(FAMILY)	1.	2.0	6.5	10.0
TOTAL	51.	100.0	329.0	512.0

TABLE:	187	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	27	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.9 C	VOL. FILTERED:	170 M3
POSITION:	49 23.2 N 123 38.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	68 . 23	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	173 M	TIME OF TOW:	1330 HR	ALIQUOT:	
		DEPTH OF TOW:	163 M	S.H.F.:	9.59

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	2.	1.1	11.8	19.2
LEUROGLOSSUS STILBIUS	6.	3.2	35.3	57.5
MERLUCCIUS PRODUCTUS	22.	11.9	129.4	211.0
THERAGRA CHALCOGRAMMA	155.	83.8	911.8	1486.5
TOTAL	185.	100.0	1088.2	1774.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	22.	48.9	129.4	211.0
MERLUCCIUS PRODUCTUS	12.	26.7	70.6	115.1
THERAGRA CHALCOGRAMMA	10.	22.2	58.8	95.9
SCORPAENIDAE(FAMILY)	1.	2.2	5.9	9.6
TOTAL	45.	100.0	264.7	431.6

TABLE:	188	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	28	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.7 C	VOL. FILTERED:	187 M3
POSITION:	49 21.3 N 123 42.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	69 . 26	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	183 M	TIME OF TOW:	1405 HR	ALIQUOT:	
		DEPTH OF TOW:	169 M	S.H.F.:	9.03

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	14.	1.3	74.9	126.4
MERLUCCIUS PRODUCTUS	206.	18.5	1101.6	1860.2
THERAGRA CHALCOGRAMMA	891.	80.1	4764.7	8045.7
MICROSTOMUS PACIFICUS	1.	0.1	5.3	9.0
TOTAL	1112.	100.0	5946.5	10041.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	18.	43.9	96.3	162.5
MERLUCCIUS PRODUCTUS	4.	9.8	21.4	36.1
THERAGRA CHALCOGRAMMA	16.	39.0	85.6	144.5
SCORPAENIDAE(FAMILY)	3.	7.3	16.0	27.1
TOTAL	41.	100.0	219.3	370.2

TABLE:	189	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	29	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.5 C	VOL. FILTERED:	184 M3
POSITION:	49 19.4 N 123 40.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	67 . 27	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	181 M	TIME OF TOW:	1445 HR	ALIQUOT:	
		DEPTH OF TOW:	168 M	S.H.F.:	9.13

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	13.	1.6	70.7	118.7
MERLUCCIUS PRODUCTUS	232.	29.4	1260.9	2118.2
THERAGRA CHALCOGRAMMA	542.	68.7	2945.7	4948.5
MICROSTOMUS PACIFICUS	2.	0.3	10.9	18.3
TOTAL	789.	100.0	4288.0	7203.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	23.	67.6	125.0	210.0
MERLUCCIUS PRODUCTUS	7.	20.6	38.0	63.9
THERAGRA CHALCOGRAMMA	2.	5.9	10.9	18.3
SCORPAENIDAE(FAMILY)	2.	5.9	10.9	18.3
TOTAL	34.	100.0	184.8	310.4

TABLE:	190	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	30	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.9 C	VOL. FILTERED:	313 M3
POSITION:	49 15.8 N 123 40.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	65 . 30	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	367 M	TIME OF TOW:	1530 HR	ALIQUOT:	
		DEPTH OF TOW:	334 M	S.H.F.:	10.66

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	76.	1.6	242.8	810.2
MERLUCCIUS PRODUCTUS	1748.	36.4	5584.7	18633.7
THERAGRA CHALCOGRAMMA	2972.	62.0	9495.2	31681.5
TOTAL	4796.	100.0	15322.7	51125.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	43.	22.1	137.4	458.4
MERLUCCIUS PRODUCTUS	120.	61.5	383.4	1279.2
THERAGRA CHALCOGRAMMA	30.	15.4	95.8	319.8
SCORPAENIDAE(FAMILY)	1.	0.5	3.2	10.7
MICROSTOMUS PACIFICUS	1.	0.5	3.2	10.7
TOTAL	195.	100.0	623.0	2078.7

TABLE:	191	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	31	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.9 C	VOL. FILTERED:	230 M3
POSITION:	49 16.3 N 123 36.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	63 . 28	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	252 M	TIME OF TOW:	1620 HR	ALIQUOT:	
		DEPTH OF TOW:	226 M	S.H.F.:	9.82

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	55.	0.6	239.1	540.1
MERLUCCIUS PRODUCTUS	6009.	70.9	26126.1	59008.4
THERAGRA CHALCOGRAMMA	2410.	28.4	10478.3	23666.2
MICROSTOMUS PACIFICUS	2.	0.0	8.7	19.6
TOTAL	8476.	100.0	36852.2	83234.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	28.	17.6	121.7	275.0
MERLUCCIUS PRODUCTUS	78.	49.1	339.1	766.0
THERAGRA CHALCOGRAMMA	51.	32.1	221.7	500.8
SCORPAENIDAE(FAMILY)	1.	0.6	4.3	9.8
MICROSTOMUS PACIFICUS	1.	0.6	4.3	9.8
TOTAL	159.	100.0	691.3	1561.4

TABLE:	192	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	32	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.9 C	VOL. FILTERED:	180 M3
POSITION:	49 19.4 N 123 35.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	64 . 25	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	179 M	TIME OF TOW:	1705 HR	ALIQUOT:	
		DEPTH OF TOW:	157 M	S.H.F.:	8.74

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	6.	0.4	33.3	52.4
MERLUCCIUS PRODUCTUS	144.	10.3	800.0	1258.6
MICROGADUS PROXIMUS	1.	0.1	5.6	8.7
THERAGRA CHALCOGRAMMA	1242.	89.2	6900.0	10855.1
TOTAL	1393.	100.0	7738.9	12174.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	2.3	5.6	8.7
MERLUCCIUS PRODUCTUS	2.	4.7	11.1	17.5
THERAGRA CHALCOGRAMMA	39.	90.7	216.7	340.9
SCORPAENIDAE(FAMILY)	1.	2.3	5.6	8.7
TOTAL	43.	100.0	238.9	375.8

TABLE:	193	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	33	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	18/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	186 M3
POSITION:	49 20.7 N 123 30.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	62 . 22	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	194 M	TIME OF TOW:	1755 HR	ALIQUOT:	
		DEPTH OF TOW:	161 M	S.H.F.:	9.71

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	0.6	43.0	77.7
MERLUCCIUS PRODUCTUS	177.	13.8	951.6	1718.7
MICROGADUS PROXIMUS	6.	0.5	32.3	58.3
THERAGRA CHALCOGRAMMA	1093.	85.1	5876.3	10613.0
TOTAL	1284.	100.0	6903.2	12467.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	16.	15.5	86.0	155.4
MERLUCCIUS PRODUCTUS	28.	27.2	150.5	271.9
THERAGRA CHALCOGRAMMA	54.	52.4	290.3	524.3
SCORPAENIDAE(FAMILY)	2.	1.9	10.8	19.4
MICROSTOMUS PACIFICUS	3.	2.9	16.1	29.1
TOTAL	103.	100.0	553.8	1000.1

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	1.	100.0	5.4	9.7
TOTAL	1.	100.0	5.4	9.7

TABLE:	194	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	34	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.4 C	VOL. FILTERED:	133 M3
POSITION:	49 18.2 N 123 27.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	59 . 23	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	140 M	TIME OF TOW:	0845 HR	ALIQUOT:	
		DEPTH OF TOW:	137 M	S.H.F.:	10.32

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	0.7	60.2	82.6
MERLUCCIUS PRODUCTUS	99.	8.2	744.4	1021.7
THERAGRA CHALCOGRAMMA	1094.	91.1	8225.6	11290.1
TOTAL	1201.	100.0	9030.1	12394.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	20.	54.1	150.4	206.4
MERLUCCIUS PRODUCTUS	4.	10.8	30.1	41.3
THERAGRA CHALCOGRAMMA	12.	32.4	90.2	123.8
LYCONECTES ALEUTENSIS	1.	2.7	7.5	10.3
TOTAL	37.	100.0	278.2	381.8

TABLE:	195	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	35	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.6 C	VOL. FILTERED:	192 M3
POSITION:	49 17.7 N 123 31.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	61 . 25	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	197 M	TIME OF TOW:	0920 HR	ALIQUOT:	
		DEPTH OF TOW:	187 M	S.H.F.:	9.73

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	28.	0.4	145.8	272.4
MERLUCCIUS PRODUCTUS	5566.	77.1	28989.6	54157.2
MICROGADUS PROXIMUS	11.	0.2	57.3	107.0
THERAGRA CHALCOGRAMMA	1613.	22.3	8401.0	15694.5
MICROSTOMUS PACIFICUS	1.	0.0	5.2	9.7
TOTAL	7219.	100.0	37599.0	70240.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	21.	13.6	109.4	204.3
MERLUCCIUS PRODUCTUS	70.	45.5	364.6	681.1
THERAGRA CHALCOGRAMMA	61.	39.6	317.7	593.5
MICROSTOMUS PACIFICUS	2.	1.3	10.4	19.5
TOTAL	154.	100.0	802.1	1498.4

TABLE:	196	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	36	WAVE HEIGHT:		GEAR TYPE:	BONGO 25 M2
DATE:	19/ 3/81	SWELL HEIGHT:		MESH SIZE:	351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	313 M3
POSITION:	49 14.2 N 123 33.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	60 . 28	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	349 M	TIME OF TOW:	1010 HR	ALIQUOT:	
		DEPTH OF TOW:	326 M	S.H.F.:	10.43

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	71.	1.2	226.8	740.5
MERLUCCIUS PRODUCTUS	3901.	68.0	12463.3	40687.4
THERAGRA CHALCOGRAMMA	1763.	30.7	5632.6	18388.1
TOTAL	5735.	100.0	18322.7	59816.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	45.	10.8	143.8	469.4
MERLUCCIUS PRODUCTUS	291.	70.0	929.7	3035.1
THERAGRA CHALCOGRAMMA	79.	19.0	252.4	824.0
SCORPAENIDAE(FAMILY)	1.	0.2	3.2	10.4
TOTAL	416.	100.0	1329.1	4338.9

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.2	10.4
TOTAL	1.	100.0	3.2	10.4

TABLE:	197	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	37	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 3/81	SWELL HEIGHT:		MESH SIZE:	351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	289 M3
POSITION:	49 14.6 N 123 27.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	57 . 26	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	297 M	TIME OF TOW:	1100 HR	ALIQUOT:	
		DEPTH OF TOW:	276 M	S.H.F.:	9.54

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	45.	1.6	155.7	429.3
MERLUCCIUS PRODUCTUS	361.	34.0	3325.3	9167.9
THERAGRA CHALCOGRAMMA	1821.	64.4	6301.0	17372.3
MICROSTOMUS PACIFICUS	1.	0.0	3.5	9.5
TOTAL	2828.	100.0	9785.5	26979.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	53.	18.8	183.4	505.6
MERLUCCIUS PRODUCTUS	157.	55.7	543.3	1497.8
THERAGRA CHALCOGRAMMA	72.	25.5	249.1	686.9
TOTAL	282.	100.0	975.8	2690.3

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.5	9.5
TOTAL	1.	100.0	3.5	9.5

TABLE:	198	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	38	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.1 C	VOL. FILTERED:	215 M3
POSITION:	49 16.5 N 123 23.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	56 . 23	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	228 M	TIME OF TOW:	1150 HR	ALIQUOT:	
		DEPTH OF TOW:	212 M	S.H.F.:	9.87

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	12.	0.2	55.8	118.4
MERLUCCIUS PRODUCTUS	872.	18.1	4055.8	8606.6
MICROGADUS PROXIMUS	4.	0.1	18.6	39.5
THERAGRA CHALCOGRAMMA	3932.	81.6	18288.4	38808.8
TOTAL	4820.	100.0	22418.6	47573.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	42.	25.9	195.3	414.5
MERLUCCIUS PRODUCTUS	61.	37.7	283.7	602.1
THERAGRA CHALCOGRAMMA	55.	34.0	255.8	542.8
RONQUILUS JORDANI	1.	0.6	4.7	9.9
AMMODYTES HEXAPTERUS	1.	0.6	4.7	9.9
SCORPAENIDAE(FAMILY)	1.	0.6	4.7	9.9
MICROSTOMUS PACIFICUS	1.	0.6	4.7	9.9
TOTAL	162.	100.0	753.5	1598.9

TABLE:	199	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	39	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	216 M3
POSITION:	49 19.0 N 123 20.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	56 . 20	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	219 M	TIME OF TOW:	1235 HR	ALIQUOT:	
		DEPTH OF TOW:	201 M	S.H.F.:	9.30

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	22.	0.6	101.9	204.6
MERLUCCIUS PRODUCTUS	949.	27.8	4393.5	8825.7
MICROGADUS PROXIMUS	12.	0.4	55.6	111.6
THERAGRA CHALCOGRAMMA	2425.	71.0	11226.9	22552.5
LYOPSETTA EXILIS	7.	0.2	32.4	65.1
TOTAL	3415.	100.0	15810.2	31759.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.5	4.6	9.3
LEUROGLOSSUS STILBIUS	17.	8.4	78.7	158.1
MERLUCCIUS PRODUCTUS	54.	26.6	250.0	502.2
THERAGRA CHALCOGRAMMA	126.	62.1	583.3	1171.8
AMMODYTES HEXAPTERUS	1.	0.5	4.6	9.3
SCORPAENIDAE(FAMILY)	4.	2 0	18.5	37.2
TOTAL	203.	100.0	939.8	1887.9

TABLE:	200	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	40	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	187 M3
POSITION:	49 14.9 N 123 19.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	53 . 23	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	199 M	TIME OF TOW:	1325 HR	ALIQUOT:	
		DEPTH OF TOW:	190 M	S.H.F.:	10.19

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.0	5.3	10.2
LEUROGLOSSUS STILBIUS	11.	0.3	58.8	112.1
MERLUCCIUS PRODUCTUS	716.	21.5	3828.9	7296.0
MICROGADUS PROXIMUS	41.	1.2	219.3	417.8
THERAGRA CHALCOGRAMMA	2557.	76.9	13673.8	26055.8
TOTAL	3326.	100.0	17786.1	33891.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	17.	13.5	90.9	173.2
MERLUCCIUS PRODUCTUS	48.	38.1	256.7	489.1
THERAGRA CHALCOGRAMMA	61.	48.4	326.2	621.6
TOTAL	126.	100.0	673.8	1283.9

TABLE:	201	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	41	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.3 C	VOL. FILTERED:	163 M3
POSITION:	49 11.3 N 123 19.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	51 . 26	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	165 M	TIME OF TOW:	1415 HR	ALIQUOT:	
		DEPTH OF TOW:	154 M	S.H.F.:	9.43

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	3.	0.2	18.4	28.3
LEUROGLOSSUS STILBIUS	8.	0.4	49.1	75.4
MERLUCCIUS PRODUCTUS	204.	10.2	1251.5	1923.7
MICROGADUS PROXIMUS	28.	1.4	171.8	264.0
THERAGRA CHALCOGRAMMA	1756.	87.8	10773.0	16559.1
MICROSTOMUS PACIFICUS	1.	0.1	6.1	9.4
TOTAL	2000.	100.0	12269.9	18860.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	24.	27.3	147.2	226.3
MERLUCCIUS PRODUCTUS	19.	21.6	116.6	179.2
THERAGRA CHALCOGRAMMA	45.	51.1	276.1	424.4
TOTAL	88.	100.0	539.9	829.8

TABLE:	202	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	42	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.9 C	VOL. FILTERED:	265 M3
POSITION:	49 12.9 N 123 23.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	54 . 26	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	283 M	TIME OF TOW:	1455 HR	ALIQUOT:	
		DEPTH OF TOW:	267 M	S.H.F.:	10.09

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	37.	0.7	139.6	373.3
MERLUCCIUS PRODUCTUS	1784.	35.1	6732.1	18000.6
THERAGRA CHALCOGRAMMA	3255.	64.1	12283.0	32842.9
TOTAL	5076.	100.0	19154.7	51216.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	34.	17.4	128.3	343.1
MERLUCCIUS PRODUCTUS	99.	50.8	373.6	998.9
THERAGRA CHALCOGRAMMA	61.	31.3	230.2	615.5
SCORPAENIDAE(FAMILY)	1.	0.5	3.8	10.1
TOTAL	195.	100.0	735.8	1967.6

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	50.0	3.8	10.1
STENOBRACHIUS LEUCOPSARUS	1.	50.0	3.8	10.1
TOTAL	2.	100.0	7.5	20.2

TABLE:	203	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	43	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	295 M3
POSITION:	49 11.6 N 123 28.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	56 . 29	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	313 M	TIME OF TOW:	1545 HR	ALIQUOT:	
		DEPTH OF TOW:	269 M	S.H.F.:	8.28

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	23.	0.5	78.0	190.4
MERLUCCIUS PRODUCTUS	2741.	54.9	9291.5	22695.5
THERAGRA CHALCOGRAMMA	2228.	44.6	7552.5	18447.8
TOTAL	4992.	100.0	16922.0	41333.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	51.	16.7	172.9	422.3
MERLUCCIUS PRODUCTUS	202.	66.0	684.7	1672.6
THERAGRA CHALCOGRAMMA	50.	16.3	169.5	414.0
SCORPAENIDAE(FAMILY)	3.	1.0	10.2	24.8
TOTAL	306.	100.0	1037.3	2533.7

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	50.0	3.4	8.3
CYCLOPTERIDAE(FAMILY)	1.	50.0	3.4	8.3
TOTAL	2.	100.0	6.8	16.6

TABLE:	204	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	44	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	300 M3
POSITION:	49 11.6 N 123 34.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	59 . 31	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	343 M	TIME OF TOW:	1635 HR	ALIQUOT:	
		DEPTH OF TOW:	340 M	S.H.F.:	11.33

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	31.	0.6	103.3	351.2
MERLUCCIUS PRODUCTUS	3479.	64.8	11596.7	39417.1
THERAGRA CHALCOGRAMMA	1860.	34.6	6200.0	21073.8
TOTAL	5370.	100.0	17900.0	60842.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	1.	0.3	3.3	11.3
LEUROGLOSSUS STILBIUS	42.	13.9	140.0	475.9
MERLUCCIUS PRODUCTUS	191.	63.2	636.7	2164.0
MICROGADUS PROXIMUS	2.	0.7	6.7	22.7
THERAGRA CHALCOGRAMMA	62.	20.5	206.7	702.5
SCORPAENIDAE(FAMILY)	4.	1.3	13.3	45.3
TOTAL	302.	100.0	1006.7	3421.7

TABLE:	205	WIND DIRECTION: 315 DEG	TOW SPEED: 1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY: 3 MPS	TYPE OF TOW: OBLIQUE
SAMPLE NO.:	45	WAVE HEIGHT:	GEAR TYPE: BONGO .25 M2
DATE:	19/ 3/81	SWELL HEIGHT:	MESH SIZE: .351 MM
VESSEL:	CALIGUS	SURFACE TEMP: 8.8 C	VOL. FILTERED: 392 M3
POSITION:	49 13.3 N 123 37.8 W	STD NUMBER:	DISP. VOLUME:
GRID POSITION:	62 . 31	BT/XBT NUMBER:	PLANKTON CONC.:
BOTTOM DEPTH:	378 M	TIME OF TOW: 1725 HR	ALIQUOT:
		DEPTH OF TOW: 353 M	S.H.F.: 9.01

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	48.	0.4	122.4	432.5
MERLUCCIUS PRODUCTUS	9301.	72.2	23727.0	83802.0
THERAGRA CHALCOGRAMMA	3525.	27.4	8992.3	31760.3
TOTAL	12874.	100.0	32841.8	115994.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	76.	11.9	193.9	684.8
MERLUCCIUS PRODUCTUS	371.	58.2	946.4	3342.7
MICROGADUS PROXIMUS	19.	3.0	48.5	171.2
THERAGRA CHALCOGRAMMA	114.	17.9	290.8	1027.1
SCORPAENIDAE(FAMILY)	57.	8.9	145.4	513.6
TOTAL	637.	100.0	1625.0	5739.4

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	3.	100.0	7.7	27.0
TOTAL	3.	100.0	7.7	27.0

TABLE:	206	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	46	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	19/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	149 M3
POSITION:	49 10.0 N 123 41.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	62 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	158 M	TIME OF TOW:	1825 HR	ALIQUOT:	
		DEPTH OF TOW:	155 M	S.H.F.:	10.39

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	5.	1.7	33.6	52.0
MERLUCCIUS PRODUCTUS	167.	57.2	1120.8	1735.1
THERAGRA CHALCOGRAMMA	119.	40.8	798.7	1236.4
MICROSTOMUS PACIFICUS	1.	0.3	6.7	10.4
TOTAL	292.	100.0	1959.7	3033.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	32.	58.2	214.8	332.5
MERLUCCIUS PRODUCTUS	5.	9.1	33.6	52.0
MICROGADUS PROXIMUS	2.	3.6	13.4	20.8
THERAGRA CHALCOGRAMMA	7.	12.7	47.0	72.7
GOBIIDAE(FAMILY)	1.	1.8	6.7	10.4
SCORPAENIDAE(FAMILY)	5.	9.1	33.6	52.0
OPHIODON ELONGATUS	1.	1.8	6.7	10.4
MICROSTOMUS PACIFICUS	1.	1.8	6.7	10.4
PSETTICHTHYS MELANOSTICTUS	1.	1.8	6.7	10.4
TOTAL	55.	100.0	369.1	571.5

TABLE:	207	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	47	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.6 C	VOL. FILTERED:	179 M3
POSITION:	49 7.7 N 123 36.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	58 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	185 M	TIME OF TOW:	0630 HR	ALIQUOT:	
		DEPTH OF TOW:	171 M	S.H.F.:	9.58

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	6.	0.4	33.5	57.5
MERLUCCIUS PRODUCTUS	235.	16.8	1312.8	2251.3
THERAGRA CHALCOGRAMMA	1159.	82.8	6474.9	11103.2
TOTAL	1400.	100.0	7821.2	13412.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.8	5.6	9.6
LEUROGLOSSUS STILBIUS	10.	8.3	55.9	95.8
MERLUCCIUS PRODUCTUS	7.	5.8	39.1	67.1
THERAGRA CHALCOGRAMMA	90.	75.0	502.8	862.2
SCORPAENIDAE(FAMILY)	11.	9.2	61.5	105.4
MICROSTOMUS PACIFICUS	1.	0.8	5.6	9.6
TOTAL	120.	100.0	670.4	1149.6

TABLE: 208
CRUISE: SG 81- 3
SAMPLE NO.: 48
DATE: 20/ 3/81
VESSEL: CALIGUS
POSITION: 49 3.6 N 123 34.9 W
GRID POSITION: 55 . 38
BOTTOM DEPTH: 196 M

WIND DIRECTION: 0 DEG
WIND VELOCITY: 3 MPS
WAVE HEIGHT:
SWELL HEIGHT: 0 M
SURFACE TEMP: 8.6 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 0713 HR
DEPTH OF TOW: 186 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 190 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 9.80

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	11.	0.4	57.9	107.8
MERLUCCIUS PRODUCTUS	433.	15.3	2278.9	4243.4
THERAGRA CHALCOGRAMMA	2386.	84.3	12557.9	23382.8
LYOPSETTA EXILIS	2.	0.1	10.5	19.6
TOTAL	2832.	100.0	14905.3	27753.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	8.	3.9	42.1	78.4
MERLUCCIUS PRODUCTUS	95.	45.9	500.0	931.0
THERAGRA CHALCOGRAMMA	96.	46.4	505.3	940.8
SCORPAENIDAE(FAMILY)	4.	1.9	21.1	39.2
CYCLOPTERIDAE(FAMILY)	1.	0.5	5.3	9.8
MICROSTOMUS PACIFICUS	1.	0.5	5.3	9.8
PSETTICHTHYS MELANOSTICTUS	2.	1.0	10.5	19.6
TOTAL	207.	100.0	1089.5	2028.6

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CARISTIIDAE(FAMILY)	1.	100.0	5.3	9.8
TOTAL	1.	100.0	5.3	9.8

TABLE:	209	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	49	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.7 C	VOL. FILTERED:	234 M3
POSITION:	49 1.9 N 123 31.1 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	52 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	238 M	TIME OF TOW:	0750 HR	ALIQUOT:	
		DEPTH OF TOW:	221 M	S.H.F.:	9.45

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	61.	0.8	260.7	576.5
MERLUCCIUS PRODUCTUS	2684.	37.3	11470.1	25363.8
THERAGRA CHALCOGRAMMA	4453.	61.9	19029.9	42080.8
TOTAL	7198.	100.0	30760.7	68021.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	26.	7.6	111.1	245.7
MERLUCCIUS PRODUCTUS	139.	40.4	594.0	1313.5
THERAGRA CHALCOGRAMMA	168.	48.8	717.9	1587.6
SCORPAENIDAE(FAMILY)	7.	2.0	29.9	66.2
CYCLOPTERIDAE(FAMILY)	1.	0.3	4.3	9.4
MICROSTOMUS PACIFICUS	1.	0.3	4.3	9.4
PSETTICHTHYS MELANOSTICTUS	2.	0.6	8.5	18.9
TOTAL	344.	100.0	1470.1	3250.8

TABLE:	210	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	50	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 3/81	SWELL HEIGHT:	1 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.7 C	VOL. FILTERED:	302 M3
POSITION:	49 4.9 N 123 29.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	53 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	313 M	TIME OF TOW:	0833 HR	ALIQUOT:	
		DEPTH OF TOW:	301 M	S.H.F.:	9.95

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	4.	0.1	13.2	39.8
LEUROGLOSSUS STILBIUS	34.	0.8	112.6	338.3
MERLUCCIUS PRODUCTUS	1566.	37.9	5185.4	15581.7
THERAGRA CHALCOGRAMMA	2527.	61.1	8367.5	25143.7
MICROSTOMUS PACIFICUS	4.	0.1	13.2	39.8
TOTAL	4135.	100.0	13692.1	41143.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	45.	13.8	149.0	447.8
MERLUCCIUS PRODUCTUS	194.	59.5	642.4	1930.3
THERAGRA CHALCOGRAMMA	83.	25.5	274.8	825.8
SCORPAENIDAE(FAMILY)	4.	1.2	13.2	39.8
TOTAL	326.	100.0	1079.5	3243.7

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LYCODAPUS MANDIBULARIS	1.	100.0	3.3	9.9
TOTAL	1.	100.0	3.3	9.9

TABLE:	211	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	4 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	51	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.9 C	VOL. FILTERED:	306 M3
POSITION:	49 8.5 N 123 29.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	55 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	336 M	TIME OF TOW:	0935 HR	ALIQUOT:	
		DEPTH OF TOW:	320 M	S.H.F.:	10.46

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	43.	0.7	140.5	449.8
MERLUCCIUS PRODUCTUS	2104.	35.1	6875.8	22007.8
THERAGRA CHALCOGRAMMA	3848.	64.2	12575.2	40250.1
TOTAL	5995.	100.0	19591.5	62707.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	71.	11.4	232.0	742.7
MERLUCCIUS PRODUCTUS	328.	52.7	1071.9	3430.9
THERAGRA CHALCOGRAMMA	223.	35.9	728.8	2332.6
TOTAL	622.	100.0	2032.7	6506.1

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	2.	100.0	6.5	20.9
TOTAL	2.	100.0	6.5	20.9

TABLE:	212	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	52	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.9 C	VOL. FILTERED:	245 M3
POSITION:	49 6.3 N 123 24.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	51 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	253 M	TIME OF TOW:	1025 HR	ALIQUOT:	
		DEPTH OF TOW:	239 M	S.H.F.:	9.76

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	23.	1.1	93.9	224.5
MERLUCCIUS PRODUCTUS	758.	35.7	3093.9	7398.1
THERAGRA CHALCOGRAMMA	1341.	63.2	5473.5	13088.2
MICROSTOMUS PACIFICUS	1.	0.0	4.1	9.8
TOTAL	2123.	100.0	8665.3	20720.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	9.	6.2	36.7	87.8
MERLUCCIUS PRODUCTUS	76.	52.4	310.2	741.8
THERAGRA CHALCOGRAMMA	59.	40.7	240.8	575.8
SCORPAENIDAE(FAMILY)	1.	0.7	4.1	9.8
TOTAL	145.	100.0	591.8	1415.2

TABLE:	213	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	53	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.9 C	VOL. FILTERED:	220 M3
POSITION:	49 9.9 N 123 24.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	53 . 29	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	229 M	TIME OF TOW:	1115 HR	ALIQUOT:	
		DEPTH OF TOW:	218 M	S.H.F.:	9.92

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	43.	1.3	195.5	426.6
MERLUCCIUS PRODUCTUS	1461.	45.2	6640.9	14493.1
THERAGRA CHALCOGRAMMA	1730.	53.5	7863.6	17161.6
MICROSTOMUS PACIFICUS	1.	0.0	4.5	9.9
TOTAL	3235.	100.0	14704.5	32091.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	32.	21.3	145.5	317.4
MERLUCCIUS PRODUCTUS	46.	30.7	209.1	456.3
THERAGRA CHALCOGRAMMA	70.	46.7	318.2	694.4
SCORPAENIDAE(FAMILY)	2.	1.3	9.1	19.8
TOTAL	150.	100.0	681.8	1488.0

TABLE:	214	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	59	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:		VOL. FILTERED:	160 M3
POSITION:	49 7.7 N 123 19.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	49 . 29	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	150 M	TIME OF TOW:	1200 HR	ALIQUOT:	
		DEPTH OF TOW:	132 M	S.H.F.:	8.26

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.3	6.3	8.3
MERLUCCIUS PRODUCTUS	31.	8.2	193.8	256.1
MICROGADUS PROXIMUS	28.	7.4	175.0	231.3
THERAGRA CHALCOGRAMMA	320.	84.2	2000.0	2643.2
TOTAL	380.	100.0	2375.0	3138.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	42.	56.0	262.5	346.9
MERLUCCIUS PRODUCTUS	8.	10.7	50.0	66.1
THERAGRA CHALCOGRAMMA	23.	30.7	143.8	190.0
SCORPAENIDAE(FAMILY)	2.	2.7	12.5	16.5
TOTAL	75.	100.0	468.8	619.5

TABLE:	215	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	55	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.0 C	VOL. FILTERED:	225 M3
POSITION:	49 3.8 N 123 21.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	48 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	225 M	TIME OF TOW:	1250 HR	ALIQUOT:	
		DEPTH OF TOW:	208 M	S.H.F.:	9.27

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.1	4.4	9.3
LEUROGLOSSUS STILBIUS	4.	0.3	17.8	37.1
MERLUCCIUS PRODUCTUS	856.	58.5	3804.4	7935.1
MICROGADUS PROXIMUS	4.	0.3	17.8	37.1
THERAGRA CHALCOGRAMMA	599.	40.9	2662.2	5552.7
TOTAL	1464.	100.0	6506.7	13571.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	11.	4.9	48.9	102.0
MERLUCCIUS PRODUCTUS	197.	87.6	875.6	1826.2
THERAGRA CHALCOGRAMMA	15.	6.7	66.7	139.1
SCORPAENIDAE(FAMILY)	2.	0.9	8.9	18.5
TOTAL	225.	100.0	1000.0	2085.8

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MYCTOPHIDAE(FAMILY)	1.	100.0	4.4	9.3
TOTAL	1.	100.0	4.4	9.3

TABLE:	216	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	56	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.9 C	VOL. FILTERED:	288 M3
POSITION:	49 3.3 N 123 26.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	50 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	308 M	TIME OF TOW:	1328 HR	ALIQUOT:	
		DEPTH OF TOW:	305 M	S.H.F.:	10.58

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	42.	0.8	145.8	444.4
MERLUCCIUS PRODUCTUS	3735.	75.2	12968.8	39516.3
THERAGRA CHALCOGRAMMA	1187.	23.9	4121.5	12558.5
TOTAL	4964.	100.0	17236.1	52519.1

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	62.	14.1	215.3	656.0
GADUS MACROCEPHALUS	1.	0.2	3.5	10.6
MERLUCCIUS PRODUCTUS	318.	72.1	1104.2	3364.4
MICROGADUS PROXIMUS	1.	0.2	3.5	10.6
THERAGRA CHALCOGRAMMA	55.	12.5	191.0	581.9
SCORPAENIDAE(FAMILY)	4.	0.9	13.9	42.3
TOTAL	441.	100.0	1531.3	4665.8

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	100.0	3.5	10.6
TOTAL	1.	100.0	3.5	10.6

TABLE:	217				
CRUISE:	SG 81- 3	WIND DIRECTION:	315 DEG	TOW SPEED:	1 MPS
SAMPLE NO.:	57	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
DATE:	20/ 3/81	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
VESSEL:	CALIGUS	SWELL HEIGHT:		MESH SIZE:	.351 MM
POSITION:	49 0.2 N 123 27.3 W	SURFACE TEMP:	10.3 C	VOL. FILTERED:	241 M3
GRID POSITION:	49 . 38	STD NUMBER:		DISP. VOLUME:	
BOTTOM DEPTH:	231 M	BT/XBT NUMBER:		PLANKTON CONC.:	
		TIME OF TOW:	1408 HR	ALIQUOT:	
		DEPTH OF TOW:	218 M	S.H.F.:	9.03

EGGS

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	31.	0.2	128.6	279.9
MERLUCCIUS PRODUCTUS	2781.	20.8	11539.4	25112.4
THERAGRA CHALCOGRAMMA	10558.	79.0	43809.1	95338.7
TOTAL	13370.	100.0	55477.2	120731.1

LARVAE

	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	72.	17.1	298.8	650.2
MERLUCCIUS PRODUCTUS	155.	36.7	643.2	1399.6
THERAGRA CHALCOGRAMMA	185.	43.8	767.6	1670.5
SCORPAENIDAE(FAMILY)	10.	2.4	41.5	90.3
TOTAL	422.	100.0	1751.0	3810.7

TABLE:	218	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	58	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.2 C	VOL. FILTERED:	223 M3
POSITION:	48 57.7 N 123 24.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	46 . 39	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	213 M	TIME OF TOW:	1450 HR	ALIQUOT:	
		DEPTH OF TOW:	199 M	S.H.F.:	8.93

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	5.	0.1	22.4	44.7
LEUROGLOSSUS STILBIUS	33.	0.6	148.0	294.7
MERLUCCIUS PRODUCTUS	1743.	31.8	7816.1	15565.0
THERAGRA CHALCOGRAMMA	3705.	67.5	16614.3	33085.7
TOTAL	5486.	100.0	24600.9	48990.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.4	4.5	8.9
LEUROGLOSSUS STILBIUS	29.	10.5	130.0	259.0
MERLUCCIUS PRODUCTUS	102.	37.0	457.4	910.9
THERAGRA CHALCOGRAMMA	142.	51.4	636.8	1268.1
MICROSTOMUS PACIFICUS	2.	0.7	9.0	17.9
TOTAL	276.	100.0	1237.7	2464.7

TABLE:	219	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	59	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.8 C	VOL. FILTERED:	228 M3
POSITION:	49 0.2 N 123 21.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	46 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	219 M	TIME OF TOW:	1530 HR	ALIQUOT:	
		DEPTH OF TOW:	208 M	S.H.F.:	9.14

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	8813.	55.6	38653.5	80550.8
THERAGRA CHALCOGRAMMA	7025.	44.4	30811.4	64208.5
TOTAL	15838.	100.0	69464.9	144759.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	25.	6.2	109.6	228.5
MERLUCCIUS PRODUCTUS	238.	59.4	1043.9	2175.3
THERAGRA CHALCOGRAMMA	125.	31.2	548.2	1142.5
SCORPAENIDAE(FAMILY)	13.	3.2	57.0	118.8
TOTAL	401.	100.0	1758.8	3665.1

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
STENOBRACHIUS LEUCOPSARUS	1.	100.0	4.4	9.1
TOTAL	1.	100.0	4.4	9.1

TABLE:	220	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	60	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.4 C	VOL. FILTERED:	142 M3
POSITION:	49 1.6 N 123 16.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	44 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	135 M	TIME OF TOW:	1615 HR	ALIQUOT:	
		DEPTH OF TOW:	127 M	S.H.F.:	8.92

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	2.	9.1	14.1	17.8
THERAGRA CHALCOGRAMMA	20.	90.9	140.8	178.4
TOTAL	22.	100.0	154.9	196.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	4.	25.0	28.2	35.7
MERLUCCIUS PRODUCTUS	1.	6.3	7.0	8.9
THERAGRA CHALCOGRAMMA	6.	37.5	42.3	53.5
LYCONECTES ALEUTENSIS	5.	31.3	35.2	44.6
TOTAL	16.	100.0	112.7	142.7

TABLE:	221	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:		TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	61	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.8 C	VOL. FILTERED:	158 M3
POSITION:	48 58.2 N 123 14.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	41 . 35	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	144 M	TIME OF TOW:	1655 HR	ALIQUOT:	
		DEPTH OF TOW:	130 M	S.H.F.:	8.35

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	0.6	6.3	8.4
MERLUCCIUS PRODUCTUS	3.	1.9	19.0	25.1
THERAGRA CHALCOGRAMMA	154.	97.5	974.7	1285.9
TOTAL	158.	100.0	1000.0	1319.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	34.	75.6	215.2	283.9
THERAGRA CHALCOGRAMMA	9.	20.0	57.0	75.2
SCORPAENIDAE(FAMILY)	2.	4.4	12.7	16.7
TOTAL	45.	100.0	284.8	375.8

TABLE:	222	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	62	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.5 C	VOL. FILTERED:	212 M3
POSITION:	48 57.7 N 123 18.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	43 . 37	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	190 M	TIME OF TOW:	1735 HR	ALIQUOT:	
		DEPTH OF TOW:	183 M	S.H.F.:	8.64

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	619.	13.3	2919.8	5348.2
THERAGRA CHALCOGRAMMA	4024.	86.6	18981.1	34767.4
MICROSTOMUS PACIFICUS	1.	0.0	4.7	8.6
TOTAL	4644.	100.0	21905.7	40124.2

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	13.	20.0	61.3	112.3
MERLUCCIUS PRODUCTUS	24.	36.9	113.2	207.4
THERAGRA CHALCOGRAMMA	25.	38.5	117.9	216.0
AMMODYTES HEXAPTERUS	1.	1.5	4.7	8.6
SCORPAENIDAE(FAMILY)	2.	3.1	9.4	17.3
TOTAL	65.	100.0	306.6	561.6

TABLE:	223	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	5 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	63	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	20/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.7 C	VOL. FILTERED:	208 M3
POSITION:	48 55.6 N 123 21.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	43 . 39	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	175 M	TIME OF TOW:	1810 HR	ALIQUOT:	
		DEPTH OF TOW:	162 M	S.H.F.:	7.80

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	7.	0.6	33.7	54.6
MERLUCCIUS PRODUCTUS	389.	32.5	1870.2	3034.2
THERAGRA CHALCOGRAMMA	800.	66.9	3846.2	6240.0
TOTAL	1196.	100.0	5750.0	9328.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	17.	10.7	81.7	132.6
MERLUCCIUS PRODUCTUS	29.	18.2	139.4	226.2
THERAGRA CHALCOGRAMMA	112.	70.4	538.5	873.6
SCORPAENIDAE(FAMILY)	1.	0.6	4.8	7.8
TOTAL	159.	100.0	764.4	1240.2

TABLE:	224	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	64	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.6 C	VOL. FILTERED:	185 M3
POSITION:	48 54.4 N 123 16.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	40 . 39	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	190 M	TIME OF TOW:	0555 HR	ALIQUOT:	
		DEPTH OF TOW:	187 M	S.H.F.:	10.09

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	1053.	26.7	5691.9	10624.8
THERAGRA CHALCOGRAMMA	2888.	73.2	15610.8	29139.9
MICROSTOMUS PACIFICUS	3.	0.1	16.2	30.3
TOTAL	3944.	100.0	21318.9	39795.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	7.	14.3	37.8	70.6
MERLUCCIUS PRODUCTUS	21.	42.9	113.5	211.9
THERAGRA CHALCOGRAMMA	18.	36.7	97.3	181.6
CYCLOPTERIDAE(FAMILY)	3.	6.1	16.2	30.3
TOTAL	49.	100.0	264.9	494.4

TABLE: 225
CRUISE: SG 81- 3
SAMPLE NO.: 65
DATE: 21/ 3/81
VESSEL: CALIGUS
POSITION: 48 56.0 N 123 15.1 W
GRID POSITION: 40 . 37
BOTTOM DEPTH: 149 M

WIND DIRECTION: 0 DEG
WIND VELOCITY: 0 MPS
WAVE HEIGHT:
SWELL HEIGHT: 0 M
SURFACE TEMP: 0.8 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 0650 HR
DEPTH OF TOW: 149 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 146 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 10.24

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	4.	1.8	27.4	41.0
MICROGADUS PROXIMUS	2.	0.9	13.7	20.5
THERAGRA CHALCOGRAMMA	215.	96.8	1472.6	2201.6
MICROSTOMUS PACIFICUS	1.	0.5	6.8	10.2
TOTAL	222.	100.0	1520.5	2273.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN. (/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	21.	51.2	143.8	215.0
MERLUCCIUS PRODUCTUS	4.	9.8	27.4	41.0
MICROGADUS PROXIMUS	1.	2.4	6.8	10.2
THERAGRA CHALCOGRAMMA	10.	24.4	68.5	102.4
AMMODYTES HEXAPTERUS	2.	4.9	13.7	20.5
SCORPAENIDAE(FAMILY)	2.	4.9	13.7	20.5
COTTIDAE(FAMILY)	1.	2.4	6.8	10.2
TOTAL	41.	100.0	280.8	419.8

TABLE:	226	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	66	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	122 M3
POSITION:	48 56.8 N 123 8.7 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	37 . 34	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	111 M	TIME OF TOW:	0735 HR	ALIQUOT:	
		DEPTH OF TOW:	98 M	S.H.F.:	8.05

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	1.	12.5	8.2	8.1
MICROGADUS PROXIMUS	1.	12.5	8.2	8.1
THERAGRA CHALCOGRAMMA	6.	75.0	49.2	48.3
TOTAL	8.	100.0	65.6	64.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	4.	15.4	32.8	32.2
MERLUCCIUS PRODUCTUS	3.	11.5	24.6	24.2
MICROGADUS PROXIMUS	1.	3.8	8.2	8.1
THERAGRA CHALCOGRAMMA	3.	11.5	24.6	24.2
AMMODYTES HEXAPTERUS	2.	7.7	16.4	16.1
SCORPAENIDAE(FAMILY)	11.	42.3	90.2	88.6
CYCLOPTERIDAE(FAMILY)	2.	7.7	16.4	16.1
TOTAL	26.	100.0	213.1	209.3

TABLE:	227	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	67	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.8 C	VOL. FILTERED:	125 M3
POSITION:	48 53.8 N 123 10.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	36 . 37	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	130 M	TIME OF TOW:	0825 HR	ALIQUOT:	
		DEPTH OF TOW:	124 M	S.H.F.:	9.93

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	1.	0.6	8.0	9.9
MICROGADUS PROXIMUS	1.	0.6	8.0	9.9
THERAGRA CHALCOGRAMMA	161.	98.8	1288.0	1598.7
TOTAL	163.	100.0	1304.0	1618.6

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	26.	74.3	208.0	258.2
THERAGRA CHALCOGRAMMA	5.	14.3	40.0	49.7
AMMODYTES HEXAPTERUS	1.	2.9	8.0	9.9
COTTIDAE(FAMILY)	1.	2.9	8.0	9.9
MICROSTOMUS PACIFICUS	2.	5.7	16.0	19.9
TOTAL	35.	100.0	280.0	347.6

TABLE:	228	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	68	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	8.9 C	VOL. FILTERED:	188 M3
POSITION:	48 52.3 N 123 13.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	37 . 39	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	207 M	TIME OF TOW:	0900 HR	ALIQUOT:	
		DEPTH OF TOW:	190 M	S.H.F.:	10.10

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	1091.	24.1	5803.2	11019.1
THERAGRA CHALCOGRAMMA	3428.	75.9	18234.0	34622.8
TOTAL	4519.	100.0	24037.2	45641.9

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	6.	5.7	31.9	60.6
MERLUCCIUS PRODUCTUS	54.	51.4	287.2	545.4
THERAGRA CHALCOGRAMMA	38.	36.2	202.1	383.8
SCORPAENIDAE(FAMILY)	3.	2.9	16.0	30.3
HEXAGRAMMIDAE(FAMILY)	1.	1.0	5.3	10.1
COTTIDAE(FAMILY)	1.	1.0	5.3	10.1
MICROSTOMUS PACIFICUS	1.	1.0	5.3	10.1
PSETTICHTHYS MELANOSTICTUS	1.	1.0	5.3	10.1
TOTAL	105.	100.0	558.5	1060.5

TABLE:	229	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	69	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.1 C	VOL. FILTERED:	198 M3
POSITION:	48 50.6 N 123 9.6 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	34 . 39	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	198 M	TIME OF TOW:	0935 HR	ALIQUOT:	
		DEPTH OF TOW:	192 M	S.H.F.:	9.68

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	409.	10.9	2065.7	3959.1
MICROGADUS PROXIMUS	3.	0.1	15.2	29.0
THERAGRA CHALCOGRAMMA	3326.	89.0	16798.0	32195.7
TOTAL	3738.	100.0	18878.8	36183.8

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	17.	26.6	85.9	164.6
MERLUCCIUS PRODUCTUS	28.	43.8	141.4	271.0
THERAGRA CHALCOGRAMMA	13.	20.3	65.7	125.8
AMMODYTES HEXAPTERUS	1.	1.6	5.1	9.7
SCORPAENIDAE(FAMILY)	5.	7.8	25.3	48.4
TOTAL	64.	100.0	323.2	619.5

JUVENILES	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
STENOBRACHIUS LEUCOPSARUS	1.	100.0	5.1	9.7
TOTAL	1.	100.0	5.1	9.7

TABLE:	230	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	70	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.3 C	VOL. FILTERED:	145 M3
POSITION:	48 49.1 N 123 7.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	32 . 40	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	145 M	TIME OF TOW:	1007 HR	ALIQUOT:	
		DEPTH OF TOW:	136 M	S.H.F.:	9.41

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	0.1	6.9	9.4
MERLUCCIUS PRODUCTUS	2.	0.2	13.8	18.8
THERAGRA CHALCOGRAMMA	1325.	99.8	9137.9	12468.3
TOTAL	1328.	100.0	9158.6	12496.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	20.	57.1	137.9	188.2
MERLUCCIUS PRODUCTUS	3.	8.6	20.7	28.2
THERAGRA CHALCOGRAMMA	7.	20.0	48.3	65.9
SCORPAENIDAE(FAMILY)	3.	8.6	20.7	28.2
AGONIDAE(FAMILY)	1.	2.9	6.9	9.4
CYCLOPTERIDAE(FAMILY)	1.	2.9	6.9	9.4
TOTAL	35.	100.0	241.4	329.4

TABLE:	231	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	3 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	71	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.8 C	VOL. FILTERED:	187 M3
POSITION:	48 49.7 N 123 5.0 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	31 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	191 M	TIME OF TOW:	1040 HR	ALIQUOT:	
		DEPTH OF TOW:	184 M	S.H.F.:	9.86

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	66.	4.4	352.9	650.8
MICROGADUS PROXIMUS	2.	0.1	10.7	19.7
THERAGRA CHALCOGRAMMA	1421.	95.4	7598.9	14011.1
TOTAL	1489.	100.0	7962.6	14681.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
PISCES	1.	2.6	5.3	9.9
LEUROGLOSSUS STILBIUS	1.	2.6	5.3	9.9
MERLUCCIUS PRODUCTUS	3.	7.9	16.0	29.6
MICROGADUS PROXIMUS	3.	7.9	16.0	29.6
THERAGRA CHALCOGRAMMA	8.	21.1	42.8	78.9
AMMODYTES HEXAPTERUS	4.	10.5	21.4	39.4
SCORPAENIDAE(FAMILY)	10.	26.3	53.5	98.6
COTTIDAE(FAMILY)	4.	10.5	21.4	39.4
CYCLOPTERIDAE(FAMILY)	4.	10.5	21.4	39.4
TOTAL	38.	100.0	203.2	374.7

TABLE:	232	WIND DIRECTION:	180 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	2 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	72	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.4 C	VOL. FILTERED:	193 M3
POSITION:	48 48.6 N 123 2.5 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	29 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	195 M	TIME OF TOW:	1110 HR	ALIQUOT:	
		DEPTH OF TOW:	183 M	S.H.F.:	9.48

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	27.	1.7	139.9	256.0
MICROGADUS PROXIMUS	1.	0.1	5.2	9.5
THERAGRA CHALCOGRAMMA	1546.	98.2	8010.4	14656.1
TOTAL	1574.	100.0	8155.4	14921.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	3.	4.5	15.5	28.4
LEUROGLOSSUS STILBIUS	2.	3.0	10.4	19.0
MERLUCCIUS PRODUCTUS	2.	3.0	10.4	19.0
MICROGADUS PROXIMUS	1.	1.5	5.2	9.5
THERAGRA CHALCOGRAMMA	19.	28.4	98.4	180.1
RONQUILUS JORDANI	1.	1.5	5.2	9.5
SCORPAENIDAE(FAMILY)	33.	49.3	171.0	312.8
COTTIDAE(FAMILY)	2.	3.0	10.4	19.0
CYCLOPTERIDAE(FAMILY)	4.	6.0	20.7	37.9
TOTAL	67.	100.0	347.2	635.2

TABLE: 233
CRUISE: SG 81- 3
SAMPLE NO.: 73
DATE: 21/ 3/81
VESSEL: CALIGUS
POSITION: 48 49.3 N 122 59.9 W
GRID POSITION: 28 . 37
BOTTOM DEPTH: 218 M

WIND DIRECTION:
WIND VELOCITY:
WAVE HEIGHT:
SWELL HEIGHT:
SURFACE TEMP: 9.1 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 1137 HR
DEPTH OF TOW: 206 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 219 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 9.41

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	3.	1.4	13.7	28.2
MICROGADUS PROXIMUS	7.	3.3	32.0	65.9
THERAGRA CHALCOGRAMMA	203.	95.3	926.9	1910.2
TOTAL	213.	100.0	972.6	2004.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	1.0	4.6	9.4
MERLUCCIUS PRODUCTUS	2.	2.0	9.1	18.8
MICROGADUS PROXIMUS	1.	1.0	4.6	9.4
THERAGRA CHALCOGRAMMA	15.	15.0	68.5	141.1
AMMODYTES HEXAPTERUS	21.	21.0	95.9	197.6
SCORPAENIDAE(FAMILY)	54.	54.0	246.6	508.1
COTTIDAE(FAMILY)	2.	2.0	9.1	18.8
CYCLOPTERIDAE(FAMILY)	3.	3.0	13.7	28.2
ATHERESTHES STOMIAS	1.	1.0	4.6	9.4
TOTAL	100.	100.0	456.6	941.0

TABLE:	234	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	74	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.1 C	VOL. FILTERED:	221 M3
POSITION:	48 47.4 N 122 58.2 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	26 . 38	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	230 M	TIME OF TOW:	1215 HR	ALIQUOT:	
		DEPTH OF TOW:	212 M	S.H.F.:	9.58

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	15.	5.7	67.9	143.7
MICROGADUS PROXIMUS	3.	1.1	13.6	28.7
THERAGRA CHALCOGRAMMA	245.	93.2	1108.6	2347.1
TOTAL	263.	100.0	1190.0	2519.5

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	3.	6.1	13.6	28.7
LEUROGLOSSUS STILBIUS	3.	6.1	13.6	28.7
MICROGADUS PROXIMUS	2.	4.1	9.0	19.2
THERAGRA CHALCOGRAMMA	7.	14.3	31.7	67.1
AMMODYTES HEXAPTERUS	2.	4.1	9.0	19.2
SCORPAENIDAE(FAMILY)	31.	63.3	140.3	297.0
COTTIDAE(FAMILY)	1.	2.0	4.5	9.6
TOTAL	49.	100.0	221.7	469.4

TABLE:	235	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	75	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.8 C	VOL. FILTERED:	212 M3
POSITION:	48 48.5 N 122 55.3 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	25 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	198 M	TIME OF TOW:	1300 HR	ALIQUOT:	
		DEPTH OF TOW:	193 M	S.H.F.:	9.12

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	14.	6.4	66.0	127.7
MICROGADUS PROXIMUS	5.	2.3	23.6	45.6
THERAGRA CHALCOGRAMMA	200.	91.3	943.4	1824.0
TOTAL	219.	100.0	1033.0	1997.3

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	1.	2.4	4.7	9.1
LEUROGLOSSUS STILBIUS	5.	12.2	23.6	45.6
MERLUCCIUS PRODUCTUS	1.	2.4	4.7	9.1
MICROGADUS PROXIMUS	1.	2.4	4.7	9.1
THERAGRA CHALCOGRAMMA	4.	9.8	18.9	36.5
STICHAEIDAE(FAMILY)	1.	2.4	4.7	9.1
LYCONECTES ALEUTENSIS	1.	2.4	4.7	9.1
AMMODYTES HEXAPTERUS	1.	2.4	4.7	9.1
SCORPAENIDAE(FAMILY)	21.	51.2	99.1	191.5
HEXAGRAMMIDAE(FAMILY)	1.	2.4	4.7	9.1
COTTIDAE(FAMILY)	1.	2.4	4.7	9.1
CYCLOPTERIDAE(FAMILY)	3.	7.3	14.2	27.4
TOTAL	41.	100.0	193.4	373.9

TABLE: 236
CRUISE: SG 81- 3
SAMPLE NO.: 76
DATE: 21/ 3/81
VESSEL: CALIGUS
POSITION: 48 50.7 N 122 54.8 W
GRID POSITION: 26 . 34
BOTTOM DEPTH: 176 M

WIND DIRECTION: 180 DEG
WIND VELOCITY: 1 MPS
WAVE HEIGHT:
SWELL HEIGHT: 0 M
SURFACE TEMP: 9.6 C
STD NUMBER:
BT/XBT NUMBER:
TIME OF TOW: 1335 HR
DEPTH OF TOW: 166 M

TOW SPEED: 1 MPS
TYPE OF TOW: OBLIQUE
GEAR TYPE: BONGO .25 M2
MESH SIZE: .351 MM
VOL. FILTERED: 175 M3
DISP. VOLUME:
PLANKTON CONC.:
ALIQUOT:
S.H.F.: 9.47

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	1.	1.0	5.7	9.5
MICROGADUS PROXIMUS	6.	6.0	34.3	56.8
THERAGRA CHALCOGRAMMA	93.	93.0	531.4	880.7
TOTAL	100.	100.0	571.4	947.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	4.	6.5	22.9	37.9
LEUROGLOSSUS STILBIUS	3.	4.8	17.1	28.4
THERAGRA CHALCOGRAMMA	20.	32.3	114.3	189.4
STICHAFIDAE(FAMILY)	1.	1.6	5.7	9.5
AMMODYTES HEXAPTERUS	6.	9.7	34.3	56.8
SCORPAENIDAE(FAMILY)	21.	33.9	120.0	198.9
HEXAGRAMMIDAE(FAMILY)	1.	1.6	5.7	9.5
CYCLOPTERIDAE(FAMILY)	6.	9.7	34.3	56.8
TOTAL	62.	100.0	354.3	587.1

TABLE:	237	WIND DIRECTION:	135 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	77	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.9 C	VOL. FILTERED:	144 M3
POSITION:	48 54.0 N 122 56.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	29 . 32	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	120 M	TIME OF TOW:	1405 HR	ALIQUOT:	
		DEPTH OF TOW:	108 M	S.H.F.:	7.49

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MICROGADUS PROXIMUS	16.	18.8	111.1	119.8
THERAGRA CHALCOGRAMMA	69.	81.2	479.2	516.8
TOTAL	85.	100.0	590.3	636.7

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	5.	10.2	34.7	37.5
LEUROGLOSSUS STILBIUS	1.	2.0	6.9	7.5
MERLUCCIUS PRODUCTUS	2.	4.1	13.9	15.0
MICROGADUS PROXIMUS	3.	6.1	20.8	22.5
THERAGRA CHALCOGRAMMA	7.	14.3	48.6	52.4
RONQUILUS JORDANI	3.	6.1	20.8	22.5
AMMODYTES HEXAPTERUS	5.	10.2	34.7	37.5
SCORPAENIDAE(FAMILY)	22.	44.9	152.8	164.8
COTTIDAE(FAMILY)	1.	2.0	6.9	7.5
TOTAL	49.	100.0	340.3	367.0

TABLE:	238	WIND DIRECTION:	225 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	78	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.4 C	VOL. FILTERED:	210 M3
POSITION:	48 51.7 N 122 58.4 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	28 . 34	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	209 M	TIME OF TOW:	1440 HR	ALIQUOT:	
		DEPTH OF TOW:	189 M	S.H.F.:	9.00

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	12.	9.2	57.1	108.0
MICROGADUS PROXIMUS	2.	1.5	9.5	18.0
THERAGRA CHALCOGRAMMA	117.	89.3	557.1	1053.0
TOTAL	131.	100.0	623.8	1179.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	4.	7.1	19.0	36.0
MERLUCCIUS PRODUCTUS	2.	3.6	9.5	18.0
MICROGADUS PROXIMUS	1.	1.8	4.8	9.0
THERAGRA CHALCOGRAMMA	9.	16.1	42.9	81.0
STICHAEIDAE(FAMILY)	1.	1.8	4.8	9.0
L CONECTES ALEUTENSIS	1.	1.8	4.8	9.0
AMMODYTES HEXAPTERUS	5.	8.9	23.8	45.0
SCORPAENIDAE(FAMILY)	25.	44.6	119.0	225.0
COTTIDAE(FAMILY)	3.	5.4	14.3	27.0
RHAMPHOCOTTUS RICHARDSONI	1.	1.8	4.8	9.0
CYCLOPTERIDAE(FAMILY)	4.	7.1	19.0	36.0
TOTAL	56.	100.0	266.7	504.0

TABLE:	239	WIND DIRECTION:	0 DEG	TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	0 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO.:	79	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 3/81	SWELL HEIGHT:	0 M	MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	10.0 C	VOL. FILTERED:	199 M3
POSITION:	48 51.8 N 123 2.9 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	31 . 36	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	163 M	TIME OF TOW:	1510 HR	ALIQUOT:	
		DEPTH OF TOW:	142 M	S.H.F.:	7.15

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
MERLUCCIUS PRODUCTUS	5.	2.4	25.1	35.8
MICROGADUS PROXIMUS	6.	2.9	30.2	42.9
THERAGRA CHALCOGRAMMA	198.	94.7	995.0	1415.7
TOTAL	209.	100.0	1050.3	1494.4

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
CLUPEA HARENGUS	4.	2.5	20.1	28.6
LEUROGLOSSUS STILBIUS	3.	1.9	15.1	21.5
MERLUCCIUS PRODUCTUS	2.	1.3	10.1	14.3
THERAGRA CHALCOGRAMMA	31.	19.4	155.8	221.7
RONQUILUS JORDANI	8.	5.0	40.2	57.2
STICHAEIDAE(FAMILY)	1.	0.6	5.0	7.2
AMMODYTES HEXAPTERUS	55.	34.4	276.4	393.3
SCORPAENIDAE(FAMILY)	42.	26.3	211.1	300.3
COTTIDAE(FAMILY)	7.	4.4	35.2	50.0
CYCLOPTERIDAE(FAMILY)	5.	3.1	25.1	35.8
ATHERESTHES STOMIAS	1.	0.6	5.0	7.2
INOPSETTA ISCHYRA	1.	0.6	5.0	7.2
TOTAL	160.	100.0	804.0	1144.0

TABLE:	240	WIND DIRECTION:		TOW SPEED:	1 MPS
CRUISE:	SG 81- 3	WIND VELOCITY:	1 MPS	TYPE OF TOW:	OBLIQUE
SAMPLE NO :	80	WAVE HEIGHT:		GEAR TYPE:	BONGO .25 M2
DATE:	21/ 3/81	SWELL HEIGHT:		MESH SIZE:	.351 MM
VESSEL:	CALIGUS	SURFACE TEMP:	9.8 C	VOL. FILTERED:	142 M3
POSITION:	48 55.4 N 123 2.8 W	STD NUMBER:		DISP. VOLUME:	
GRID POSITION:	33 . 33	BT/XBT NUMBER:		PLANKTON CONC.:	
BOTTOM DEPTH:	127 M	TIME OF TOW:	1540 HR	ALIQUOT:	
		DEPTH OF TOW:	114 M	S.H.F.:	8.02

EGGS	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
THERAGRA CHALCOGRAMMA	2.	100.0	14.1	16.0
TOTAL	2.	100.0	14.1	16.0

LARVAE	TOTAL NUMBER	TAXA PCT.	REL. ABUN.(/1000 M3)	CATCH (/10 M2)
LEUROGLOSSUS STILBIUS	1.	11.1	7.0	8.0
MERLUCCIUS PRODUCTUS	1.	11.1	7.0	8.0
THERAGRA CHALCOGRAMMA	1.	11.1	7.0	8.0
SCORPAENIDAE(FAMILY)	6.	66.7	42.3	48.1
TOTAL	9.	100.0	63.4	72.2

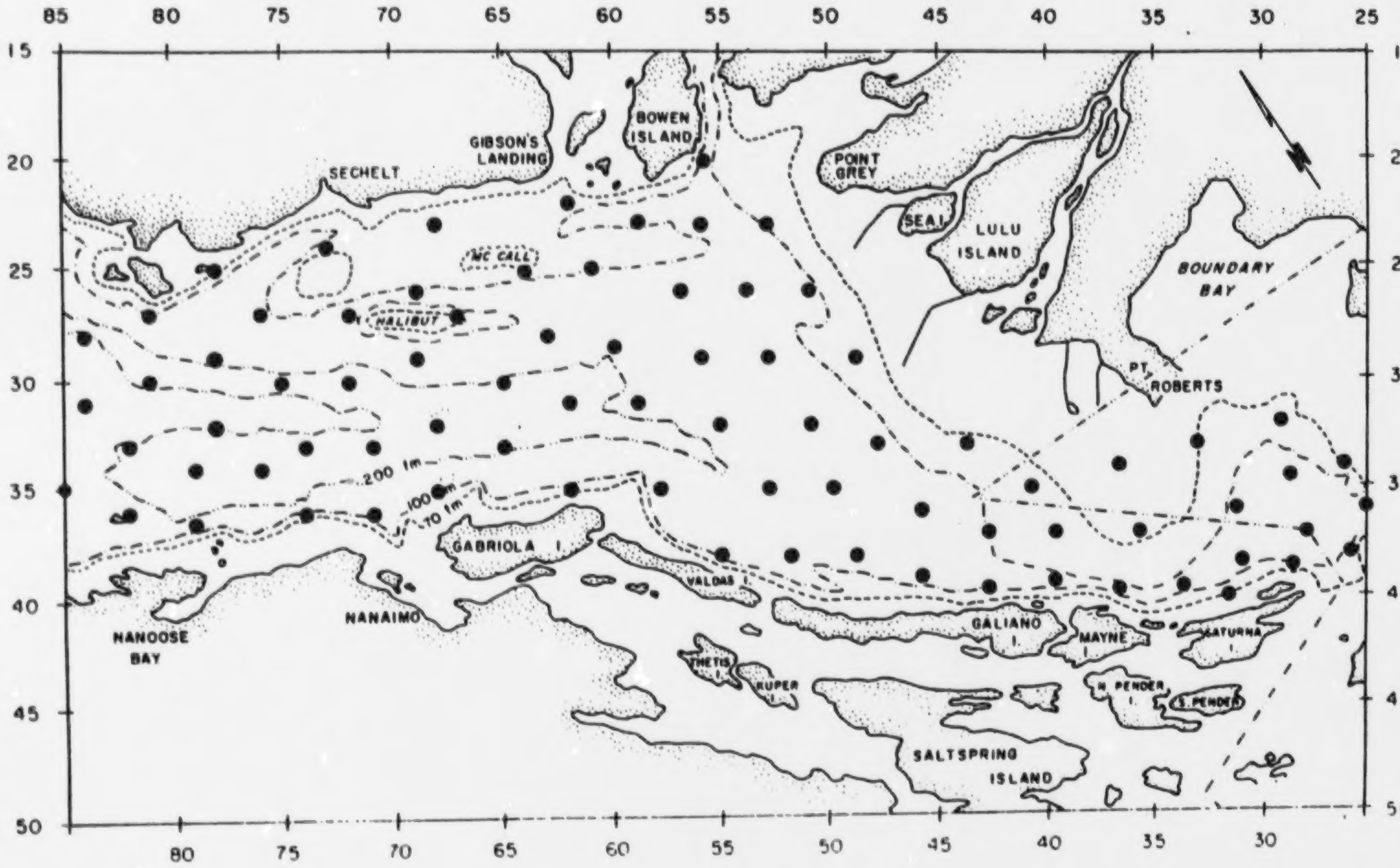

FIGURE 1. Sampling station locations for the 1981 Georgia Strait Ichthyoplankton Survey.